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# STATISTICAL SUPPLEMENT

## DEPARTMENT OF HEALTH

## STATE OF HAWAII

This is the statistical supplement to the narrative report published in a separate volume.

Anyone needing additional information may write directly to the program concerned.

1984*

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Cover photo by Mr. George H. Tokuyama, State Registrar
View of part of the civic complex including the state capitol building and the central business district, city of Honolulu

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*Unless otherwise stated, data included in this report are for the calendar year 1984. Publication date, September 1985.

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# RESEARCH AND STATISTICS OFFICE

# VITAL STATISTICS SUMMARY, 1984

## Population

The provisional estimate of the total resident population of the State of Hawaii as of July 1, 1984 was 1,040,400, an increase of 2.2 percent over the revised July 1, 1983 total of 1,018,300. The resident population of the State increased by 7.8 percent since the April 1, 1980 census.

The population of the United States increased 4.0 percent during the 1980 census and July 1, 1984 period.

## Births

The upward trend in total live births including non-resident births which began in 1974 ended in 1983, when a high of 19,164 live births were recorded for the state. The total live births recorded for 1984 was 18,756, a drop of 2.1 percent below the 1983 level.

Births among the resident population totaled 18,667 -- 1.2 percent below the 19,090 recorded a year earlier.

The 1984 crude resident live birth rate for the state was 18.0 per 1,000 population as compared with the revised rate of 18.7 per 1,000 population for 1983. The drop in the live birth rate amounted to 3.7 percent.

Maui County, with a live birth rate of 19.4 per 1,000 live births, as well as Maui Island (19.7) and Molokai Island (18.4), had rates above the state rate of 18.0. Hawaii County (17.6 per 1,000 live births), Honolulu County (17.9), and Kauai County (17.4) all experienced birth rates below the state rate.

The estimated crude live birth rate for the nation as a whole was 15.5 for 1983, and 15.7 for 1984.

## Multiple Births

There were 334 multiple births recorded during 1984 for the state, as compared with 298 for the year 1983. These multiple births constituted 1.8 percent and 1.6 percent of all births for the 1984 and 1983 years respectively.

There were 167 sets of twins and no triplets.

## Low Birthweight Babies

Of the 18,340 single resident live births recorded for the year 1984, 1,191, or 6.5 percent, were low birthweight babies (less than 2500 grams). The comparable low birth weight figure was 6.4 percent for 1983.

The median weight of single live birth babies was seven pounds, four ounces or 3293 grams.

## Attendant at Birth

A total of 269 births out of the 18,756 resident births recorded, or 1.4 percent, were born outside of a hospital during the year 1984. The figures were 286 births and 1.5 percent for the year 1983.

Of the 269 births mentioned above, 51 were delivered in small dispensaries by a physician and 21 were delivered in birthing centers. Of the 196 babies born outside of a facility, 25 were delivered by physicians, 9 by nurse-practitioners, 10 by naturopaths, 2 by osteopaths, and 150 by family members or some non-medical person.

## Month of Prenatal Visit

Mothers who made their first prenatal visit to a physician during the first three months of pregnancy totaled 75.4 percent of 18,667 resident births for the year 1984, while those who made their first visit during the second trimester totaled 19.2 percent. Those who delayed their first prenatal visit to the third trimester of pregnancy totaled 4.2 percent. There were 102 mothers, 0.5 percent of all mothers, who reported that they had received no prenatal care at all.

## Apgar Score

The Apgar score is a summary measure used to evaluate the newborn infant's overall physical condition at birth.

In 1984, 24.3 percent of the 1-minute scores and 87.2 percent of the 5-minute scores were 9 or 10. The comparable scores for the United States as a whole for 1982, which are the latest available, were 44.0 percent and 87.3 percent respectively.

In 1984, 2.3 percent of the babies born in the state were assigned 1-minute Apgar scores of 0 to 3, and 0.4 percent were assigned 5-minute Apgar scores of 0 to 3. Scores of 0 to 3 indicate a severely depressed status.

## Illegitimate Live Births

The crude 1984 resident illegitimate live birthrate for the state was 192.1 per 1,000 live births, or 19.2 percent, for the year 1984. The comparable rate was 197.3 per 1,000 live births for 1983, which represented a reduction of 2.6 percent.

There were 3,585 illegitimate births recorded for 1984, as compared with 3,766 for the year 1983.

The highest illegitimate live birth rate for 1984 was observed in Hawaii County (277.0 per 1,000 live births), while the lowest rate (176.3 per 1,000 live births) was observed in Honolulu County.

## Standard Fetal Deaths (Spontaneous Abortions)

The resident standard fetal death ratio (spontaneous abortion) was 87.3 per 1,000 live births for the state for the year 1984, as compared with 85.2 for the year 1983. Numerically, there were 1,694 standard fetal deaths in 1984 and 1,627 in 1983.

High ratios were observed in Kauai County (112.4 per 1,000 live births) and Maui County (99.5) in 1984, while below average ratio was experienced in Hawaii County (71.2 per 1,000 live births).

## Elective Induced Abortions

The state resident induced abortion (intentional termination of pregnancy) ratio for 1984 was 282.7 per 1,000 live births, 9.9 percent below the 1983 ratio of 313.9. The downward trend began in 1982 after the ratio reached a high of 364.1 per 1,000 live births in 1981.

The highest 1984 resident elective induced abortion was observed on Kauai County (343.2 per 1,000 live births), followed by Honolulu County (300.2), Maui County (228.1), and Hawaii County (172.0).

The median age of women having an elective induced abortion in 1984 was 23.1 years of age.

## Infant Deaths

The infant death rate rose from 9.2 per 1,000 live births in 1983 to 10.0 per 1,000 live births in 1984. There were 175 infant deaths in the year 1983 and 186 in 1984. Increases in the number of infant deaths occurred in Hawaii County and Kauai County.

The provisional death rates for the nation as a whole was an estimated 10.9 per 1,000 live births for 1983 and 10.6 per 1,000 live births for 1984.

Among the larger ethnic groups, the Japanese (5.6 per 1,000 live births), the Chinese (7.2 per 1,000 live births), and the Caucasian (8.0 per 1,000 live births) had infant death rates below the 1984 state rate of 10.0 per 1,000 live births.

There were 124 neonatal deaths in 1984 as compared to 118 for 1983. The neonatal death rate was 6.2 per 1,000 live births for 1983 and 6.6 for 1984.

## Perinatal Mortality Rate

The resident perinatal mortality rate (infant deaths under one week of gestation plus standard fetal deaths of 20 weeks or more gestation divided by perinatal events -- standard fetal deaths of 20 weeks or more gestation plus all resident live births) for the state was 12.7 per 1,000 perinatal events for 1984 and 13.9 in 1983.

Counties with a perinatal mortality rate below the state rate of 12.7 per 1,000 perinatal events included Honolulu County (11.0) and Kauai County (11.4). Hawaii County had a perinatal mortality rate of 16.1 while Maui County had a rate of 18.2, both well above the state rate.

## Deaths

The number of deaths registered for the calendar year 1984 totaled 5,943, the highest since 1941. The increase in deaths between 1983 and 1984 was 3.8 percent.

The increase in resident deaths was 3.0 percent with 5,571 deaths recorded in 1984 as compared with 5,409 recorded in 1983.

Because of an increase in population, the crude resident death rate increased only 1.9 percent. The crude death rate was 5.4 per 1,000 population in 1984 and 5.3 in 1983.

A 19.8 percent increase in the number of resident deaths occurred on Hawaii County where there were 707 deaths recorded in 1984 as compared to 590 deaths in 1983.

For the nation as a whole, the provisional crude death rate was 8.7 per 1,000 population for 1984 and 8.6 for 1983.

The resident death rates for Hawaii County (6.6 per 1,000 population) and Kauai County (6.1 per 1,000 population) continue to be higher than the state average of 5.4 per 1,000 population because of their higher average age.

## Leading Causes of Death

The first seven leading causes of death for 1984 for the state continued to retain the same ranking as in 1983 and 1982. Congenital anomalies ranked eighth followed by perinatal conditions; liver disease and cirrhosis; other circulatory diseases; bronchitis, emphysema, and asthma; and homicide.

## Maternal Deaths

There were two maternal deaths recorded in 1984 with the resulting maternal death rate of 1.1 per 10,000 live births. There were no maternal deaths in 1983 and one death recorded for 1982.

## Marriages

The number of marriages performed in the state continued its upward trend reaching a new high of 14,982, 6.5 percent above the 14,062 marriages recorded in 1983. Much of the increase in marriages is due to the rise in out-of-state marriages performed in the Kauai and Maui counties.

The crude marriage rate was 14.4 per 1,000 population for the state in 1984, 4.6 percent above the 13.7 rate observed for the state in 1983. The comparable rate for 1984 for the nation as a whole was 10.5 per 1,000 population.

If the 5,300-odd non-resident marriages were subtracted, the resident marriage rate would be approximately 9.3 per 1,000 population.

The highest marriage rates continue to be observed in Kauai County (38.0 per 1,000 population) and Maui County (24.5 per 1,000 population).

While many of the non-resident marriages are performed in Honolulu County, the marriage rate was 12.5 for 1,000. The marriage rate was 11.4 per 1,000 for Hawaii County.

## Divorces

There was a 2.2 percent increase in the crude divorce rate for the state between 1983 and 1984. The total of 4,769 divorces recorded in 1984 resulted in a divorce rate of 4.6 per 1,000 population as compared with 4,583 divorces resulting in a rate of 4.5 per 1,000 population for 1983. The divorce rates for Hawaii County (4.0 per 1,000 population) and Kauai County (4.0 per 1,000 population) in 1984 were well below the state divorce rate of 4.6 per 1,000 population.

The divorce rate for the nation was 4.9 per 1,000 population in 1984 and 5.0 for 1983.

TABLE 1

ESTIMATED POPULATION BY RESIDENCE AND MILITARY STATUS
State of Hawaii 1970, 1980 and 1984

| | Resident Population | | | | |
|---|---|---|---|---|---|
| | Total | | Armed Forces[1] | Civilian[2] | |
| APRIL 1, 1970 (U.S. CENSUS) | Number | Percent | Number | Number | Percent |
| State Total | 769,913 | 100.0 | 55,142 | 714,771 | 100.0 |
| City & County of Honolulu | 630,528 | 81.9 | 54,809 | 575,719 | 80.5 |
| Hawaii County | 63,468 | 8.2 | 140 | 63,328 | 8.9 |
| Kauai County | 29,761 | 3.9 | 134 | 29,627 | 4.1 |
| Kauai Island | 29,524 | 3.8 | 134 | 29,390 | 4.1 |
| Niihau Island | 237 | 0.0 | - | 237 | 0.0 |
| Maui County[3] | 46,156 | 6.0 | 59 | 46,097 | 6.5 |
| Lanai Island | 2,204 | 0.3 | - | 2,204 | 0.3 |
| Maui Island | 38,691 | 5.0 | 59 | 38,632 | 5.4 |
| Molokai Island[3] | 5,261 | 0.7 | - | 5,261 | 0.8 |
| APRIL 1, 1980 (U.S. CENSUS) | | | | | |
| State Total | 965,000 | 100.0 | 61,019 | 903,981 | 100.0 |
| City & County of Honolulu | 762,874 | 79.1 | 60,666 | 702,208 | 77.7 |
| Hawaii County | 92,053 | 9.5 | 162 | 91,891 | 10.2 |
| Kauai County[4] | 39,082 | 4.0 | 164 | 38,918 | 4.3 |
| Maui County[3] | 70,991 | 7.4 | 27 | 70,964 | 7.8 |
| Lanai Island | 2,119 | 0.2 | - | 2,119 | 0.2 |
| Maui Island | 62,823 | 6.5 | 27 | 62,796 | 6.9 |
| Molokai Island[3] | 6,049 | 0.6 | - | 6,049 | 0.7 |

| | (Revised) PROVISIONAL POPULATION JULY 1, 1983 | | PROVISIONAL POPULATION JULY 1, 1984 | |
|---|---|---|---|---|
| | Number | Percent | Number | Percent |
| State Total | 1,018,300 | 100.0 | 1,040,400 | 100.0 |
| City & County of Honolulu | 789,700 | 77.6 | 805,600 | 77.4 |
| Hawaii County | 105,700 | 10.4 | 106,800 | 10.3 |
| Kauai County[4] | 43,200 | 4.2 | 44,800 | 4.3 |
| Maui County[3] | 79,600 | 7.8 | 83,200 | 8.0 |
| Lanai Island | 2,388 | 0.2 | 2,230 | 0.2 |
| Maui Island | 70,605 | 6.9 | 74,472 | 7.2 |
| Molokai Island[3] | 6,607 | 0.7 | 6,498 | 0.6 |

1/Includes Navy and Coast Guard crews
2/Includes military dependents (1970--61,858; 1980--64,023; 1984--67,100)
3/Includes Kalawao County (Kalaupapa 1970--172; 1980--144; 1984--150)
4/Estimate for Niihau Island: July 1, 1981--260; July 1, 1984--180)

Source: Hawaii State Department of Planning and Economic Development, Statistical Report 147; Preliminary Intercensal Estimates, 1970-1980, July 9, 1981; Provisional Estimates of the Population of Hawaii, 1980-84; DPED Statistical Memorandum 84-3, October 12, 1984, Tables 1, 3, and 5, as revised.

FIGURE 1
BIRTHS OCCURRING IN HAWAII 1900-1984

TABLE 2
LIVE BIRTHS BY PLACE OF OCCURRENCE REALLOCATED TO PLACE OF RESIDENCE AND RACE OF CHILD
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | PLACE OF OCCURRENCE | BIRTH BY PLACE OF RESIDENCE | | RACE OF CHILD | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | RATE* | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTRICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETMESE | OTHER | UNKNOWN |
| TOTAL RECORDED | 18756 | 18756 | 18.1 | 4434 | 49 | 5697 | 694 | 2742 | 2487 | 162 | 323 | 510 | 870 | 185 | 93 | 508 | 2 |
| STATE OF HAWAII | 18756 | 18667 | 18.0 | 4389 | 49 | 5695 | 691 | 2737 | 2485 | 162 | 322 | 506 | 864 | 184 | 93 | 488 | 2 |
| COUNTY OF HAWAII | 1840 | 1695 | 17.6 | 374 | 10 | 868 | 19 | 215 | 236 | 23 | 8 | 6 | 14 | 61 | 3 | 58 | |
| CITY OF HILO | 1149 | 625 | | 38 | 3 | 325 | 13 | 54 | 126 | 14 | 2 | 2 | 3 | 18 | 1 | 26 | |
| BALANCE OF COUNTY | 691 | 1270 | | 336 | 7 | 543 | 6 | 161 | 110 | 9 | 6 | 4 | 11 | 43 | 2 | 32 | |
| COUNTY OF HONOLULU | 14655 | 14375 | 17.9 | 3552 | 22 | 3886 | 642 | 2020 | 1969 | 131 | 302 | 497 | 838 | 69 | 86 | 359 | 2 |
| CITY OF HONOLULU | 12934 | 5713 | | 1142 | 4 | 1243 | 467 | 879 | 1034 | 37 | 188 | 219 | 241 | 23 | 72 | 162 | 2 |
| BALANCE OF COUNTY | 1721 | 8662 | | 2410 | 18 | 2643 | 175 | 1141 | 935 | 94 | 114 | 278 | 597 | 46 | 14 | 197 | |
| COUNTY OF KALAWAO | | 1 | | 1 | | | | | | | | | | | | | |
| COUNTY OF KAUAI | 748 | 778 | 17.4 | 134 | 9 | 276 | 10 | 200 | 107 | 2 | 3 | 1 | 5 | 21 | | 10 | |
| ISLAND OF KAUAI | 748 | 774 | | 134 | 7 | 274 | 10 | 200 | 107 | 2 | 3 | 1 | 5 | 21 | | 10 | |
| ISLAND OF NIIHAU | | 4 | | | 2 | 2 | | | | | | | | | | | |
| COUNTY OF MAUI | 1507 | 1618 | 19.4 | 329 | 8 | 665 | 20 | 302 | 173 | 6 | 9 | 2 | 7 | 33 | 4 | 61 | |
| ISLAND OF LANAI | 11 | 32 | 16.4 | 1 | | 11 | | 16 | 4 | | | | | | | | |
| ISLAND OF MAUI | 1423 | 1459 | 19.7 | 323 | 6 | 552 | 20 | 276 | 162 | 6 | 9 | 1 | 7 | 33 | 4 | 60 | |
| ISLAND OF MOLOKAI (EXCL. KALAWAO) | 73 | 127 | 18.4 | 4 | 2 | 102 | | 10 | 7 | | | 1 | | | | 1 | |
| NONRESIDENT | | 99 | | 45 | | 2 | 3 | 5 | 2 | | 1 | 4 | 6 | 1 | | 20 | |
| UNKNOWN RESIDENCE | | | | | | | | | | | | | | | | | |

*NUMBER OF BIRTHS PER 1,000 RESIDENT POPULATION

TABLE 3
LIVE BIRTHS BY PLACE OF OCCURRENCE REALLOCATED TO PLACE OF RESIDENCE AND RACE OF MOTHER
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | PLACE OF OCCURRENCE | BIRTH BY PLACE OF RESIDENCE | | RACE OF MOTHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | RATE* | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNKNOWN |
| TOTAL RECORDED | 18756 | 18756 | 18.1 | 5772 | 133 | 4052 | 703 | 3007 | 2557 | 162 | 402 | 521 | 654 | 219 | 94 | 478 | 2 |
| STATE OF HAWAII | 18756 | 18667 | 18.0 | 5724 | 133 | 4051 | 700 | 2993 | 2555 | 162 | 401 | 516 | 652 | 219 | 94 | 460 | 2 |
| COUNTY OF HAWAII | 1846 | 1895 | 17.6 | 523 | 33 | 591 | 23 | 296 | 247 | 24 | 13 | 9 | 9 | 63 | 2 | 56 | |
| CITY OF HILO | 1149 | 625 | | 87 | 5 | 251 | 14 | 82 | 133 | 8 | 5 | 3 | 2 | 29 | | 26 | |
| BALANCE OF COUNTY | 697 | 1270 | | 436 | 28 | 340 | 9 | 214 | 114 | 16 | 8 | 6 | 7 | 40 | 2 | 30 | |
| COUNTY OF HONOLULU | 14655 | 14375 | 17.9 | 4515 | 59 | 2802 | 644 | 2177 | 2029 | 115 | 380 | 500 | 636 | 88 | 89 | 334 | 2 |
| CITY OF HONOLULU | 12934 | 5713 | | 1521 | 17 | 859 | 460 | 889 | 1043 | 32 | 246 | 213 | 179 | 26 | 73 | 153 | 2 |
| BALANCE OF COUNTY | 1721 | 8662 | | 2994 | 42 | 1943 | 184 | 1288 | 986 | 83 | 134 | 287 | 457 | 62 | 16 | 186 | |
| COUNTY OF KALAWAO | | 1 | | 1 | | | | | | | | | | | | | |
| COUNTY OF KAUAI | 748 | 778 | 17.4 | 210 | 19 | 186 | 11 | 206 | 102 | 7 | 3 | 2 | 3 | 19 | | 8 | |
| ISLAND OF KAUAI | 748 | 774 | | 210 | 16 | 185 | 11 | 203 | 102 | 7 | 3 | 2 | 3 | 19 | | 8 | |
| ISLAND OF NIIHAU | | 4 | | | 3 | 1 | | | | | | | | | | | |
| COUNTY OF MAUI | 1507 | 1618 | 19.4 | 475 | 22 | 472 | 22 | 317 | 177 | 16 | 5 | 5 | 4 | 43 | 3 | 57 | |
| ISLAND OF LANAI | 11 | 32 | 16.4 | 4 | | 9 | | 16 | 1 | | | | | | | | |
| ISLAND OF MAUI | 1423 | 1459 | 19.7 | 454 | 17 | 381 | 21 | 286 | 170 | 15 | 5 | 3 | 4 | 43 | 3 | 57 | |
| ISLAND OF MOLOKAI (EXCL. KALAWAO) | 73 | 127 | 18.4 | 17 | 5 | 82 | 1 | 13 | 6 | 1 | | 2 | | | | | |
| NONRESIDENT | | 89 | | 48 | | 1 | 3 | 9 | 2 | | 1 | 5 | 2 | | | 18 | |
| UNKNOWN RESIDENCE | | | | | | | | | | | | | | | | | |

*NUMBER OF BIRTHS PER 1,000 RESIDENT POPULATION

TABLE 4
LIVE BIRTHS BY RACE OF MOTHER AND TYPE OF CONGENITAL MALFORMATION
STATE OF HAWAII, 1984

| TYPE OF CONGENITAL MALFORMATION | TOTAL | PERCENT | RACE OF MOTHER | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNKNOWN |
| TOTAL | 18,667 | 100.0 | 5,724 | 133 | 4,051 | 700 | 2,998 | 2,555 | 162 | 401 | 516 | 652 | 219 | 94 | 460 | |
| PERCENT | 100.0 | | 30.7 | .7 | 21.7 | 3.7 | 16.1 | 13.7 | .9 | 2.1 | 2.8 | 3.5 | 1.2 | .5 | 2.5 | |
| NO MALFORMATION | 18,467 | 98.9 | 5,674 | 129 | 4,007 | 691 | 2,956 | 2,528 | 161 | 393 | 514 | 650 | 215 | 92 | 455 | |
| ONE OR MORE MALFORMATIONS | 200 | 1.1 | 50 | 4 | 44 | 9 | 42 | 27 | 1 | 8 | 2 | 2 | 4 | 2 | 5 | |
| ANENCEPHALUS (01) | 4 | | | | | 1 | 1 | | | 2 | | | | | | |
| SPINA BIFIDA, MENINGOCELE (02) | | | | | | | | | | | | | | | | |
| HYDROCEPHALUS (03) | 3 | | 1 | | 1 | | 1 | | | | | | | | | |
| CIRCULATORY SYSTEM (06, 07) | 26 | .1 | 7 | 2 | 4 | 3 | 5 | 4 | | 1 | | | | | | |
| CLEFT PALATE & HARELIP (09) | 17 | .1 | 2 | | 4 | 1 | 5 | 3 | | 2 | | | | | | |
| DIGESTIVE SYSTEM (10) | 7 | | 3 | | 3 | 1 | | | | | | | | | | |
| GENITO-URINARY (11) | 14 | .1 | 4 | | 1 | | 5 | 3 | | | | | | | 1 | |
| CLUBFOOT (12) | 6 | | 2 | | | | | 2 | | | 1 | | 1 | | | |
| BONE & JOINT (13, 14) | 34 | .2 | 9 | 1 | 8 | 1 | 3 | 3 | | 4 | | 1 | 2 | 2 | | |
| MULTIPLE ANOMALIES (16, 17, 18) | 20 | .1 | 5 | | 2 | | 5 | 6 | | 1 | | | | | 1 | |
| DOWNS DISEASE (15) | 8 | | 3 | | 1 | | 1 | 3 | | | | | | | | |
| OTHER AND UNSPECIFIED (RESIDUAL) | 78 | .4 | 18 | 1 | 22 | 2 | 19 | 8 | 1 | | 1 | 1 | 1 | 1 | 3 | |

* IF ANY INFANT HAS MORE THAN ONE CONGENITAL MALFORMATION, THE SUM OF THE PERCENTAGES WILL BE GREATER THAN 100

TABLE 5

LIVE BIRTHS BY PLACE AND MONTH OF OCCURRENCE
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | TOTAL | PERCENT | MONTH OF BIRTH | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | UNK |
| TOTAL RECORDED | 18756 | 100.0 | 1595 | 1601 | 1617 | 1467 | 1527 | 1460 | 1608 | 1635 | 1629 | 1614 | 1481 | 1522 | |
| STATE OF HAWAII | 18756 | 100.0 | 1595 | 1601 | 1617 | 1467 | 1527 | 1460 | 1608 | 1635 | 1629 | 1614 | 1481 | 1522 | |
| PERCENT | | | 8.5 | 8.5 | 8.6 | 7.8 | 8.1 | 7.8 | 8.6 | 8.7 | 8.7 | 8.6 | 7.9 | 8.1 | |
| COUNTY OF HAWAII | 1846 | 9.8 | 157 | 176 | 158 | 147 | 142 | 127 | 139 | 145 | 144 | 165 | 156 | 188 | |
| CITY OF HILO | 1149 | 6.1 | 95 | 106 | 97 | 87 | 90 | 67 | 92 | 89 | 92 | 109 | 108 | 117 | |
| BALANCE OF COUNTY | 697 | 3.7 | 62 | 72 | 61 | 60 | 52 | 60 | 47 | 56 | 52 | 56 | 48 | 71 | |
| COUNTY OF HONOLULU | 14655 | 78.1 | 1237 | 1251 | 1249 | 1138 | 1191 | 1135 | 1281 | 1279 | 1304 | 1268 | 1160 | 1162 | |
| CITY OF HONOLULU | 12934 | 69.0 | 1084 | 1113 | 1085 | 1001 | 1036 | 1003 | 1135 | 1136 | 1160 | 1126 | 1026 | 1029 | |
| BALANCE OF COUNTY | 1721 | 9.2 | 153 | 138 | 164 | 137 | 155 | 132 | 146 | 143 | 144 | 142 | 134 | 133 | |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | 748 | 4.0 | 63 | 52 | 66 | 56 | 68 | 68 | 61 | 72 | 64 | 65 | 60 | 53 | |
| ISLAND OF KAUAI | 748 | 4.0 | 63 | 52 | 66 | 56 | 68 | 68 | 61 | 72 | 64 | 65 | 60 | 53 | |
| ISLAND OF NIIHAU | | | | | | | | | | | | | | | |
| COUNTY OF MAUI | 1507 | 8.0 | 138 | 120 | 144 | 126 | 126 | 130 | 127 | 139 | 117 | 116 | 105 | 119 | |
| ISLAND OF LANAI | 11 | .1 | 2 | | | 1 | 1 | | 1 | | | 1 | 2 | 3 | |
| ISLAND OF MAUI | 1423 | 7.6 | 129 | 114 | 137 | 120 | 118 | 124 | 121 | 134 | 113 | 110 | 94 | 109 | |
| ISLAND OF MOLOKAI (EXCL. KALAWAO) | 73 | .4 | 7 | 6 | 7 | 5 | 7 | 6 | 5 | 5 | 4 | 5 | 9 | 7 | |
| NONRESIDENT | | | | | | | | | | | | | | | |
| UNKNOWN RESIDENCE | | | | | | | | | | | | | | | |

TABLE 6

LIVE BIRTHS BY TYPE OF ATTENDANT AT BIRTH BY RACE OF CHILD BY PLACE OF BIRTH
STATE OF HAWAII, 1984

| ATTENDANT | TOTAL | RACE OF CHILD | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CAUCASIAN | HAWAIIAN | PART HAWN | CHINESE | FILIPINO | JAPANESE | P-RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNK |
| TOTAL BIRTHS | 13756 | 4435 | 491 | 569 | 696 | 2743 | 2488 | 161 | 323 | 510 | 870 | 183 | 86 | 511 | 21 |
| HOSPITAL [a/] | 18487 | 4278 | 481 | 564 | 688 | 2730 | 2476 | 161 | 321 | 507 | 861 | 183 | 86 | 500 | 21 |
| MED DOC | 17564 | 3733 | 481 | 560 | 683 | 2652 | 2457 | 148 | 301 | 492 | 698 | 182 | 84 | 479 | 21 |
| OSTEOPATH | 873 | 522 | 1 | 34 | 4 | 73 | 15 | 13 | 18 | 12 | 158 | 1 | 2 | 21 | 1 |
| MIDWIFE [d/] | 26 | 17 | 1 | 3 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OTHER | 24 | 6 | 1 | 4 | 1 | 2 | 2 | 1 | 1 | 3 | 5 | 1 | 1 | 1 | 1 |
| NATUROPATH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OTHER FACILITY [b/] | 73 | 39 | 1 | 16 | 2 | 4 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 4 | 1 |
| MED DOC | 51 | 25 | 1 | 16 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| OSTEOPATH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| MIDWIFE [d/] | 21 | 13 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| OTHER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| NATUROPATH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OTHERS [c/] | 196 | 118 | 11 | 35 | 6 | 9 | 10 | 1 | 1 | 3 | 6 | 1 | 1 | 7 | 1 |
| MED DOC | 25 | 4 | 1 | 7 | 2 | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 |
| OSTEOPATH | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| MIDWIFE [d/] | 9 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OTHER | 150 | 96 | 1 | 25 | 4 | 5 | 6 | 1 | 1 | 1 | 6 | 1 | 1 | 5 | 1 |
| NATUROPATH | 10 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

a/ HOSPITALS AND LARGE DISPENSARIES
b/ SMALL DISPENSARIES, BIRTHING CENTERS
c/ AT HOME
d/ CERTIFIED NURSE-PRACTITIONER

TABLE 7
LIVE BIRTHS BY RACE OF FATHER AND OF MOTHER
STATE OF HAWAII, 1984

| RACE OF MOTHER | | ALL RACES | | RACE OF FATHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNKNOWN |
| ALL RACES | NUMBER | 18,667 | 100.0 | 5,344 | 157 | 3,193 | 649 | 2,488 | 2,388 | 196 | 218 | 449 | 829 | 266 | 49 | 483 | 1,956 |
| | PERCENT | 100.0 | | 28.6 | .8 | 17.1 | 3.5 | 13.3 | 12.8 | 1.0 | 1.2 | 2.4 | 4.4 | 1.4 | .3 | 2.6 | 10.5 |
| CAUCASIAN | | 5,724 | 30.7 | 3,949 | 34 | 505 | 63 | 241 | 239 | 28 | 25 | 26 | 109 | 30 | 2 | 69 | 404 |
| HAWAIIAN | | 133 | .7 | 12 | 21 | 43 | 1 | 6 | 5 | 3 | | 4 | 5 | 2 | | 4 | 28 |
| PART HAWN | | 4,051 | 21.7 | 323 | 78 | 1,648 | 72 | 355 | 292 | 53 | 14 | 103 | 64 | 109 | 1 | 108 | 831 |
| CHINESE | | 700 | 3.7 | 97 | 2 | 61 | 328 | 24 | 146 | 2 | 4 | 4 | 3 | 0 | 1 | 2 | 20 |
| FILIPINO | | 2,998 | 16.1 | 352 | 8 | 405 | 31 | 1,618 | 133 | 35 | 8 | 7 | 48 | 48 | | 41 | 264 |
| JAPANESE | | 2,555 | 13.7 | 312 | 7 | 296 | 119 | 156 | 1,468 | 8 | 25 | 7 | 16 | 23 | | 32 | 86 |
| PUERTO RCN | | 162 | .9 | 19 | 1 | 30 | 1 | 9 | 4 | 54 | | 3 | 5 | 7 | | 2 | 27 |
| KOREAN | | 401 | 2.1 | 99 | | 33 | 20 | 19 | 63 | | 139 | 1 | 6 | | | 2 | 19 |
| SAMOAN | | 516 | 2.8 | 39 | 1 | 27 | 2 | 4 | 2 | 2 | | 286 | 12 | | 1 | 15 | 125 |
| NEGRO | | 652 | 3.5 | 24 | | 3 | 1 | 5 | 3 | 5 | | | 545 | 1 | | 7 | 58 |
| PORTUGUESE | | 219 | 1.2 | 20 | 2 | 72 | 4 | 31 | 17 | 5 | 1 | 1 | | 35 | | 3 | 28 |
| VIETNAMESE | | 94 | .5 | 18 | | 3 | 2 | 1 | 4 | | | | 1 | 1 | 44 | | 20 |
| OTHER | | 460 | 2.5 | 81 | 3 | 67 | 5 | 19 | 12 | 1 | 2 | 7 | 15 | 0 | | 198 | 44 |
| UNKNOWN | | 2 | | | | | | | | | | | | | | | 2 |
| FATHER AND MOTHER OF SAME RACE | | 10,335 | 55.4 | 3,949 | 21 | 1,648 | 328 | 1,618 | 1,468 | 54 | 139 | 286 | 545 | 35 | 44 | 198 | 2 |

TABLE 8
LIVE BIRTHS BY RACE OF MOTHER AND MONTH OF FIRST PRENATAL VISIT
STATE OF HAWAII, 1984

| RACE OF MOTHER | | TOTAL NO. OF BIRTHS | | MONTH OF FIRST PRENATAL VISIT | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | 1ST | 2ND | 3RD | 4TH | 5TH | 6TH | 7TH | 8TH | 9TH | NONE | NOT STATED | FIRST 3 MONTHS |
| ALL RACES | NUMBER | 18,667 | 100.0 | 2,714 | 7,205 | 4,164 | 1,800 | 1,142 | 647 | 424 | 267 | 87 | 102 | 115 | 14,083 |
| | PERCENT | 100.0 | | 14.5 | 38.6 | 22.3 | 9.6 | 6.1 | 3.5 | 2.3 | 1.4 | .5 | .5 | .6 | 75.4 |
| CAUCASIAN | | 5,724 | 30.7 | 833 | 2,330 | 1,375 | 546 | 301 | 131 | 118 | 43 | 14 | 20 | 13 | 4,538 |
| HAWAIIAN | | 133 | .7 | 15 | 22 | 40 | 14 | 16 | 8 | 9 | 5 | | 3 | 1 | 77 |
| PART HAWN | | 4,051 | 21.7 | 475 | 1,329 | 919 | 488 | 336 | 211 | 136 | 83 | 25 | 32 | 17 | 2,723 |
| CHINESE | | 700 | 3.7 | 141 | 303 | 120 | 47 | 30 | 20 | 10 | 12 | 3 | 1 | 13 | 564 |
| FILIPINO | | 2,998 | 16.1 | 394 | 1,132 | 716 | 320 | 199 | 105 | 51 | 35 | 15 | 10 | 21 | 2,242 |
| JAPANESE | | 2,555 | 13.7 | 550 | 1,274 | 423 | 123 | 67 | 40 | 26 | 14 | 9 | 6 | 23 | 2,247 |
| PUERTO RCN | | 162 | .9 | 18 | 74 | 42 | 12 | 4 | 8 | 2 | 1 | | | 1 | 134 |
| KOREAN | | 401 | 2.1 | 68 | 145 | 99 | 31 | 18 | 10 | 9 | 9 | 1 | 2 | 9 | 312 |
| SAMOAN | | 516 | 2.8 | 44 | 103 | 87 | 57 | 68 | 56 | 27 | 38 | 11 | 12 | 8 | 239 |
| NEGRO | | 652 | 3.5 | 77 | 221 | 185 | 73 | 45 | 27 | 8 | 10 | 2 | 3 | 1 | 483 |
| PORTUGUESE | | 219 | 1.2 | 39 | 100 | 42 | 19 | 9 | 4 | 3 | 2 | | 1 | | 181 |
| VIETNAMESE | | 94 | .5 | 15 | 37 | 21 | 9 | 7 | 2 | 1 | | | | 2 | 73 |
| OTHER | | 460 | 2.5 | 45 | 129 | 95 | 61 | 42 | 25 | 23 | 15 | 7 | 12 | 6 | 269 |
| UNKNOWN | | 2 | | | 1 | | | | | 1 | | | | | 1 |

TABLE 9
LIVE BIRTHS BY RACE OF MOTHER AND NUMBER OF CHILDREN BORN TO MOTHER
STATE OF HAWAII, 1984

| RACE OF MOTHER | | TOTAL NO. OF BIRTHS | | TOTAL NUMBER OF CHILDREN BORN TO MOTHER | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | -1- | -2 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -10- | -11- | 12 OR MORE | UNK |
| ALL RACES | NUMBER | 18,667 | 100.0 | 6,051 | 5,733 | 3,472 | 1,796 | 872 | 363 | 197 | 80 | 47 | 19 | 14 | 19 | 4 |
| | PERCENT | 100.0 | | 32.4 | 30.7 | 18.6 | 9.6 | 4.7 | 1.9 | 1.1 | .4 | .3 | .1 | .1 | .1 | |
| CAUCASIAN | | 5,724 | 30.7 | 1,861 | 1,897 | 1,030 | 505 | 247 | 81 | 51 | 25 | 14 | 6 | 3 | 4 | |
| HAWAIIAN | | 133 | .7 | 31 | 32 | 36 | 16 | 8 | 3 | 4 | 1 | 2 | | | | |
| PART HAWN | | 4,051 | 21.7 | 1,242 | 1,066 | 747 | 480 | 253 | 122 | 74 | 28 | 18 | 5 | 6 | 9 | 1 |
| CHINESE | | 700 | 3.7 | 242 | 243 | 126 | 55 | 21 | 6 | 5 | 1 | | | | | 1 |
| FILIPINO | | 2,998 | 16.1 | 1,016 | 904 | 572 | 274 | 136 | 56 | 16 | 12 | 4 | 3 | 1 | 3 | 1 |
| JAPANESE | | 2,555 | 13.7 | 902 | 879 | 481 | 190 | 63 | 29 | 9 | | | | 1 | | 1 |
| PUERTO RCN | | 162 | .9 | 50 | 49 | 29 | 17 | 10 | 4 | 2 | | | | 1 | | |
| KOREAN | | 401 | 2.1 | 149 | 128 | 65 | 35 | 12 | 6 | 1 | 1 | 1 | 1 | | 2 | |
| SAMOAN | | 516 | 2.8 | 165 | 95 | 85 | 73 | 44 | 18 | 16 | 6 | 7 | 4 | 2 | 1 | |
| NEGRO | | 652 | 3.5 | 185 | 220 | 147 | 59 | 25 | 12 | 3 | 1 | | | | | |
| PORTUGUESE | | 219 | 1.2 | 66 | 64 | 42 | 22 | 14 | 6 | 4 | 1 | | | | | |
| VIETNAMESE | | 94 | .5 | 28 | 27 | 23 | 10 | 2 | 1 | 3 | | | | | | |
| OTHER | | 460 | 2.5 | 112 | 129 | 89 | 60 | 37 | 19 | 9 | 4 | 1 | | | | |
| UNKNOWN | | 2 | | 2 | | | | | | | | | | | | |

TABLE 10
LIVE BIRTHS BY RACE OF MOTHER AND NUMBER OF CHILDREN BORN ALIVE TO MOTHER
STATE OF HAWAII, 1984

| RACE OF MOTHER | | TOTAL NO. OF BIRTHS | | TOTAL NUMBER OF CHILDREN BORN ALIVE | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | -1- | -2 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -10- | -11- | 12 OR MORE | UNK |
| ALL RACES | NUMBER | 18,667 | 100.0 | 7,946 | 6,133 | 2,796 | 1,090 | 410 | 135 | 89 | 26 | 20 | 11 | 5 | 5 | 1 |
| | PERCENT | 100.0 | | 42.6 | 32.9 | 15.0 | 5.8 | 2.2 | .7 | .5 | .1 | .1 | .1 | | | |
| CAUCASIAN | | 5,724 | 30.7 | 2,641 | 1,998 | 747 | 223 | 73 | 24 | 8 | 5 | 3 | 1 | | 1 | |
| HAWAIIAN | | 133 | .7 | 34 | 36 | 36 | 16 | 5 | 3 | 2 | | 1 | | | | |
| PART HAWN | | 4,051 | 21.7 | 1,532 | 1,141 | 728 | 359 | 162 | 57 | 43 | 11 | 9 | 4 | 3 | 2 | |
| CHINESE | | 700 | 3.7 | 303 | 247 | 109 | 29 | 7 | 2 | 2 | | | | | | 1 |
| FILIPINO | | 2,998 | 16.1 | 1,230 | 968 | 491 | 202 | 67 | 21 | 7 | 3 | 3 | 3 | 1 | 2 | |
| JAPANESE | | 2,555 | 13.7 | 1,203 | 942 | 313 | 78 | 16 | 3 | | | | | | | |
| PUERTO RCN | | 162 | .9 | 63 | 56 | 21 | 19 | 2 | 1 | | | | | | | |
| KOREAN | | 401 | 2.1 | 214 | 146 | 34 | 6 | | 1 | | | | | | | |
| SAMOAN | | 516 | 2.8 | 180 | 111 | 83 | 64 | 33 | 14 | 16 | 7 | 4 | 3 | 1 | | |
| NEGRO | | 652 | 3.5 | 274 | 237 | 101 | 30 | 8 | 2 | | | | | | | |
| PORTUGUESE | | 219 | 1.2 | 87 | 76 | 32 | 11 | 9 | 2 | 2 | | | | | | |
| VIETNAMESE | | 94 | .5 | 32 | 31 | 19 | 8 | 2 | 1 | 1 | | | | | | |
| OTHER | | 460 | 2.5 | 151 | 144 | 82 | 45 | 26 | 4 | 8 | | | | | | |
| UNKNOWN | | 2 | | 2 | | | | | | | | | | | | |

TABLE 11
LIVE BIRTHS BY AGE OF MOTHER AND NUMBER OF CHILDREN BORN
STATE OF HAWAII, 1984

| AGE OF MOTHER | TOTAL | PERCENT | TOTAL NUMBER OF CHILDREN BORN TO MOTHER | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -10- | -11- | > 11 | UNK |
| ALL AGES | 18,667 | 100.0 | 6,051 | 5,733 | 3,472 | 1,796 | 972 | 563 | 197 | 80 | 47 | 19 | 14 | 19 | 4 |
| PERCENT | 100.0 | | 32.4 | 30.7 | 18.6 | 9.6 | 4.7 | 1.9 | 1.1 | .4 | .3 | .1 | .1 | .1 | |
| UNDER 15 | 26 | .1 | 25 | 1 | | | | | | | | | | | |
| 15-17 | 524 | 2.8 | 427 | 81 | 14 | 2 | | | | | | | | | |
| 18-19 | 1,381 | 7.4 | 907 | 367 | 86 | 17 | 2 | 2 | | | | | | | |
| 20-24 | 5,951 | 31.9 | 2,298 | 1,984 | 1,029 | 429 | 150 | 41 | 14 | 4 | 2 | | | | |
| 25-29 | 5,602 | 30.0 | 1,463 | 1,759 | 1,199 | 656 | 298 | 126 | 62 | 18 | 14 | | 3 | 2 | 2 |
| 30-34 | 3,764 | 20.2 | 747 | 1,189 | 834 | 469 | 267 | 118 | 72 | 34 | 14 | 5 | 6 | 7 | 2 |
| 35-39 | 1,230 | 6.6 | 162 | 311 | 277 | 194 | 135 | 63 | 35 | 19 | 14 | 12 | 3 | 5 | |
| 40-44 | 179 | 1.0 | 21 | 41 | 31 | 29 | 19 | 12 | 13 | 3 | 2 | 2 | 2 | 4 | |
| 45-49 | 10 | .1 | 1 | | 2 | | 1 | 1 | 1 | 2 | 1 | | | 1 | |
| OVER 49 | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | |

TABLE 12
LIVE BIRTHS BY AGE OF MOTHER AND NUMBER OF CHILDREN BORN ALIVE
STATE OF HAWAII, 1984

| AGE OF MOTHER | TOTAL | PERCENT | TOTAL NUMBER OF CHILDREN BORN ALIVE | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -10- | -11- | > 11 | UNK |
| ALL AGES | 18,667 | 100.0 | 7,946 | 6,133 | 2,796 | 1,090 | 410 | 135 | 89 | 26 | 20 | 11 | 5 | 5 | 1 |
| PERCENT | 100.0 | | 42.6 | 32.9 | 15.0 | 5.8 | 2.2 | .7 | .5 | .1 | .1 | .1 | | | |
| UNDER 15 | 26 | .1 | 26 | | | | | | | | | | | | |
| 15-17 | 524 | 2.8 | 461 | 56 | 7 | | | | | | | | | | |
| 18-19 | 1,381 | 7.4 | 1,058 | 292 | 37 | 4 | | | | | | | | | |
| 20-24 | 5,951 | 31.9 | 2,999 | 1,996 | 724 | 181 | 42 | 7 | 2 | | | | | | |
| 25-29 | 5,602 | 30.0 | 2,020 | 2,000 | 955 | 419 | 148 | 33 | 20 | 5 | 1 | | 1 | | |
| 30-34 | 3,764 | 20.2 | 1,103 | 1,348 | 743 | 325 | 138 | 51 | 34 | 10 | 5 | 4 | 1 | 1 | 1 |
| 35-39 | 1,230 | 6.6 | 244 | 399 | 297 | 140 | 67 | 33 | 25 | 7 | 11 | 5 | 1 | 1 | |
| 40-44 | 179 | 1.0 | 34 | 51 | 32 | 19 | 15 | 10 | 7 | 3 | 2 | 2 | 2 | 2 | |
| 45-49 | 10 | .1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | | | 1 | |
| OVER 49 | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | |

TABLE 13

SINGLE LIVE BIRTHS BY WEIGHT AT BIRTH AND RACE OF CHILD
STATE OF HAWAII, 1984

| WEIGHT AT BIRTH IN GRAMS | | ALL RACES | | RACE OF CHILD | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNKNOWN |
| TOTAL | | 18,340 | 100.0 | 4,314 | 45 | 5,570 | 678 | 2,693 | 2,459 | 162 | 320 | 492 | 852 | 182 | 86 | 485 | 2 |
| LOW BIRTH WEIGHT[a/] | NUMBER | 1,191 | 6.5 | 221 | 5 | 356 | 36 | 283 | 135 | 10 | 20 | 11 | 74 | 9 | 5 | 25 | 1 |
| | PERCENT[b/] | | | 5.1 | 11.1 | 6.4 | 5.3 | 10.5 | 5.5 | 6.2 | 6.3 | 2.2 | 8.7 | 4.9 | 5.8 | 5.2 | 50.0 |
| UNDER 501 | | 16 | .1 | 4 | | 4 | 1 | 3 | 1 | | 1 | | 1 | 1 | | | |
| 501 THRU 1000 | | 67 | .4 | 13 | | 22 | 1 | 12 | 2 | 1 | 4 | 1 | 8 | | 1 | 2 | |
| 1001 THRU 1500 | | 91 | .5 | 22 | | 31 | 1 | 19 | 6 | 1 | 2 | 2 | 5 | | | 1 | 1 |
| 1501 THRU 2000 | | 174 | .9 | 38 | | 52 | 4 | 40 | 21 | 1 | 2 | | 12 | 2 | | 2 | |
| 2001 THRU 2500 | | 843 | 4.6 | 144 | 5 | 247 | 29 | 209 | 105 | 7 | 11 | 8 | 48 | 6 | 4 | 20 | |
| 2501 THRU 3000 | | 3,603 | 19.6 | 592 | 10 | 1,068 | 159 | 742 | 588 | 35 | 59 | 52 | 175 | 32 | 23 | 78 | |
| 3001 THRU 3500 | | 7,253 | 39.5 | 1,512 | 17 | 2,238 | 295 | 1,108 | 1,101 | 66 | 128 | 158 | 360 | 70 | 39 | 161 | |
| 3501 THRU 4000 | | 4,669 | 25.5 | 1,409 | 11 | 1,448 | 157 | 448 | 504 | 34 | 87 | 175 | 181 | 57 | 13 | 144 | 1 |
| 4001 THRU 4500 | | 1,358 | 7.4 | 498 | 1 | 384 | 28 | 93 | 117 | 17 | 22 | 69 | 52 | 13 | 5 | 59 | |
| 4501 THRU 5000 | | 229 | 1.2 | 86 | 1 | 66 | 2 | 15 | 11 | | 2 | 21 | 8 | 1 | 1 | 15 | |
| OVER 5000 | | 22 | .1 | 5 | | 5 | 1 | 1 | 1 | | 1 | 5 | 1 | | | 2 | |
| UNKNOWN | | 15 | .1 | 1 | | 5 | | 3 | 2 | | 1 | 1 | 1 | | | 1 | |

MEDIAN WEIGHT, LB.OZ. 7- 4 GRAMS 3293

[a/] INFANTS OF 2500 GRAMS OR LESS ARE CONSIDERED LOW BIRTH WEIGHT
[b/] PERCENT OF SINGLE LIVE BIRTHS OF KNOWN WEIGHT

TABLE 14

SINGLE LIVE BIRTHS BY WEIGHT AT BIRTH AND RACE OF MOTHER
STATE OF HAWAII, 1984

| WEIGHT AT BIRTH IN GRAMS | | ALL RACES | | RACE OF MOTHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNKNOWN |
| TOTAL | | 18,340 | 100.0 | 5,610 | 127 | 3,968 | 686 | 2,951 | 2,530 | 162 | 397 | 502 | 640 | 215 | 94 | 456 | 2 |
| LOW BIRTH WEIGHT[a/] | NUMBER | 1,191 | 6.5 | 274 | 5 | 264 | 35 | 312 | 143 | 17 | 28 | 12 | 62 | 10 | 7 | 21 | 1 |
| | PERCENT[b/] | | | 4.9 | 3.9 | 6.7 | 5.1 | 10.6 | 5.7 | 10.5 | 7.1 | 2.4 | 9.7 | 4.7 | 7.4 | 4.6 | 50.0 |
| UNDER 501 | | 16 | .1 | 6 | | 3 | | 3 | 2 | | 1 | | 1 | | | | |
| 501 THRU 1000 | | 67 | .4 | 15 | | 18 | 2 | 11 | 5 | 1 | 4 | 1 | 7 | | 1 | 2 | |
| 1001 THRU 1500 | | 91 | .5 | 25 | | 25 | 2 | 21 | 6 | 2 | 2 | 2 | 4 | | | 1 | 1 |
| 1501 THRU 2000 | | 174 | .9 | 41 | | 40 | 6 | 42 | 24 | 2 | 4 | | 10 | 2 | | 3 | |
| 2001 THRU 2500 | | 843 | 4.6 | 187 | 5 | 178 | 25 | 235 | 106 | 12 | 17 | 9 | 40 | 8 | 6 | 15 | |
| 2501 THRU 3000 | | 3,603 | 19.6 | 832 | 26 | 745 | 159 | 770 | 630 | 28 | 83 | 52 | 145 | 42 | 24 | 67 | |
| 3001 THRU 3500 | | 7,253 | 39.5 | 1,998 | 55 | 1,619 | 305 | 1,211 | 1,105 | 67 | 161 | 157 | 272 | 96 | 42 | 165 | |
| 3501 THRU 4000 | | 4,669 | 25.5 | 1,785 | 31 | 1,030 | 151 | 518 | 519 | 36 | 97 | 178 | 125 | 51 | 13 | 134 | 1 |
| 4001 THRU 4500 | | 1,358 | 7.4 | 609 | 6 | 263 | 31 | 111 | 119 | 14 | 24 | 74 | 29 | 15 | 6 | 57 | |
| 4501 THRU 5000 | | 229 | 1.2 | 105 | 4 | 38 | 4 | 25 | 12 | | 2 | 22 | 5 | 1 | 2 | 9 | |
| OVER 5000 | | 22 | .1 | 5 | | 5 | 1 | 1 | 1 | | 1 | 5 | 1 | | | 2 | |
| UNKNOWN | | 15 | .1 | 2 | | 4 | | 3 | 1 | | 1 | 2 | 1 | | | 1 | |

MEDIAN WEIGHT, LB.OZ. 7- 4 GRAMS 3293

[a/] INFANTS OF 2500 GRAMS OR LESS ARE CONSIDERED LOW BIRTH WEIGHT
[b/] PERCENT OF SINGLE LIVE BIRTHS OF KNOWN WEIGHT

TABLE 15

SINGLE MALE LIVE BIRTHS BY WEIGHT AND GESTATION PERIOD
STATE OF HAWAII, 1984

| WEIGHT AT BIRTH IN GRAMS | | TOTAL | PERCENT | GESTATION PERIOD IN WEEKS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UNDER 20 | 20-27 | 28-35 | 36-39 | 40 | OVER 40 | UNKNOWN |
| TOTAL | | 9,499 | 100.0 | 7 | 53 | 516 | 4,370 | 1,859 | 2,492 | 202 |
| LOW BIRTH WEIGHT[a] | NUMBER | 557 | 6.0 | 5 | 37 | 220 | 214 | 24 | 44 | 23 |
| | PERCENT[b] | | | 71.4 | 69.8 | 42.6 | 4.9 | 1.3 | 1.8 | 11.4 |
| UNDER 501 | | 11 | .1 | 2 | 8 | | 1 | | | |
| 501 THRU 1000 | | 39 | .4 | 1 | 21 | 11 | | | 2 | 4 |
| 1001 THRU 1500 | | 51 | .5 | 2 | 4 | 36 | 3 | 2 | 1 | 3 |
| 1501 THRU 2000 | | 83 | .9 | | 2 | 51 | 20 | 1 | 1 | 8 |
| 2001 THRU 2500 | | 383 | 4.0 | | 2 | 122 | 190 | 21 | 40 | 8 |
| 2501 THRU 3000 | | 1,628 | 17.1 | 1 | 3 | 112 | 955 | 220 | 304 | 33 |
| 3001 THRU 3500 | | 3,610 | 38.0 | | 6 | 116 | 1,830 | 714 | 871 | 73 |
| 3501 THRU 4000 | | 2,679 | 28.2 | | 3 | 55 | 1,080 | 637 | 848 | 56 |
| 4001 THRU 4500 | | 842 | 8.9 | | 1 | 9 | 257 | 224 | 337 | 14 |
| 4501 THRU 5000 | | 149 | 1.6 | | | 3 | 28 | 38 | 77 | 3 |
| OVER 5000 | | 15 | .2 | | | | 4 | 2 | 9 | |
| UNKNOWN | | 9 | .1 | 1 | 3 | 1 | 2 | | 2 | |

MEDIAN WEIGHT, LB.OZ. 7- 6 GRAMS 3343

[a]/INFANTS OF 2500 GRAMS OR LESS ARE CONSIDERED LOW BIRTH WEIGHT
[b]/PERCENT OF SINGLE LIVE BIRTHS OF KNOWN WEIGHT

TABLE 16

SINGLE FEMALE LIVE BIRTHS BY WEIGHT AND GESTATION PERIOD
STATE OF HAWAII, 1984

| WEIGHT AT BIRTH IN GRAMS | | TOTAL | PERCENT | GESTATION PERIOD IN WEEKS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UNDER 20 | 20-27 | 28-35 | 36-39 | 40 | OVER 40 | UNKNOWN |
| TOTAL | | 8,840 | 100.0 | 3 | 46 | 467 | 3,812 | 1,834 | 2,486 | 192 |
| LOW BIRTH WEIGHT[a] | NUMBER | 623 | 7.0 | 2 | 33 | 198 | 245 | 53 | 71 | 21 |
| | PERCENT[b] | | | | 71.7 | 42.4 | 6.4 | 2.9 | 2.9 | 10.9 |
| UNDER 501 | | 5 | .1 | | 3 | | | 1 | | 1 |
| 501 THRU 1000 | | 28 | .3 | | 17 | 8 | 1 | | 2 | |
| 1001 THRU 1500 | | 40 | .5 | | 8 | 24 | 3 | | 1 | 4 |
| 1501 THRU 2000 | | 91 | 1.0 | 1 | 1 | 62 | 16 | 3 | 4 | 4 |
| 2001 THRU 2500 | | 459 | 5.2 | 1 | 4 | 104 | 225 | 49 | 64 | 12 |
| 2501 THRU 3000 | | 1,975 | 22.3 | | 3 | 111 | 1,090 | 313 | 404 | 54 |
| 3001 THRU 3500 | | 3,643 | 41.2 | | 4 | 107 | 1,617 | 813 | 1,040 | 62 |
| 3501 THRU 4000 | | 1,990 | 22.5 | | 3 | 43 | 694 | 495 | 717 | 38 |
| 4001 THRU 4500 | | 516 | 5.8 | | 1 | 7 | 137 | 140 | 216 | 15 |
| 4501 THRU 5000 | | 80 | .9 | | | | 28 | 17 | 33 | 2 |
| OVER 5000 | | 7 | .1 | | | 1 | 1 | 1 | 4 | |
| UNKNOWN | | 6 | .1 | 1 | 2 | | | 2 | 1 | |

MEDIAN WEIGHT, LB.OZ. 7- 2 GRAMS 3239

[a]/INFANTS OF 2500 GRAMS OR LESS ARE CONSIDERED LOW BIRTH WEIGHT
[b]/PERCENT OF SINGLE LIVE BIRTHS OF KNOWN WEIGHT

TABLE 17
LIVE BIRTHS BY RACE, SEX, PLURALITY OF BIRTH, AND LOW BIRTH WEIGHT
STATE OF HAWAII, 1984

| RACE OF CHILD | SINGLE AND PLURAL BIRTHS | | | | SINGLE MALE BIRTHS | | | SINGLE FEMALE BIRTHS | | | PLURAL MALE BIRTHS | | | PLURAL FEMALE BIRTHS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL NO. OF BIRTHS | MALE | FEMALE | RATIO[a] | TOTAL | LOW BIRTHWEIGHT[b] NO. | LOW BIRTHWEIGHT[b] PERCENT[c] | TOTAL | LOW BIRTHWEIGHT[b] NO. | LOW BIRTHWEIGHT[b] PERCENT[c] | TOTAL | LOW BIRTHWEIGHT[b] NO. | LOW BIRTHWEIGHT[b] PERCENT[c] | TOTAL | LOW BIRTHWEIGHT[b] NO. | LOW BIRTHWEIGHT[b] PERCENT[c] |
| ALL RACES | 18,667 | 9,655 | 9,012 | 107.1 | 9,499 | 568 | 6.0 | 8,841 | 625 | 7.1 | 156 | 81 | 51.9 | 171 | 94 | 55.0 |
| CAUCASIAN | 4,392 | 2,255 | 2,137 | 105.5 | 2,219 | 99 | 4.5 | 2,096 | 122 | 5.8 | 37 | 19 | 51.4 | 41 | 29 | 70.7 |
| HAWAIIAN | 49 | 19 | 30 | 63.3 | 18 | 2 | 11.1 | 27 | 3 | 11.1 | 1 | | | 3 | 1 | 33.3 |
| PART HAWN | 5,695 | 2,995 | 2,699 | 111.0 | 2,936 | 166 | 5.7 | 2,634 | 190 | 7.2 | 60 | 34 | 56.7 | 65 | 34 | 52.3 |
| CHINESE | 652 | 341 | 351 | 97.1 | 336 | 15 | 4.5 | 342 | 21 | 6.1 | 5 | 2 | 40.0 | 9 | 3 | 33.3 |
| FILIPINO | 2,738 | 1,435 | 1,303 | 110.1 | 1,408 | 132 | 9.4 | 1,285 | 151 | 11.8 | 27 | 16 | 59.3 | 18 | 9 | 50.0 |
| JAPANESE | 2,486 | 1,238 | 1,248 | 99.1 | 1,229 | 73 | 5.9 | 1,230 | 62 | 5.0 | 9 | 5 | 55.6 | 18 | 11 | 61.1 |
| PUERTO RCN | 162 | 89 | 73 | 121.9 | 89 | 5 | 5.6 | 73 | 5 | 6.8 | | | | | | |
| KOREAN | 322 | 181 | 141 | 128.3 | 181 | 12 | 6.6 | 139 | 9 | 6.5 | | | | 2 | 2 | 100.0 |
| SAMOAN | 506 | 249 | 257 | 96.8 | 244 | 7 | 2.9 | 248 | 4 | 1.6 | 5 | | | 9 | 3 | 33.3 |
| NEGRO | 864 | 439 | 425 | 103.2 | 428 | 38 | 8.9 | 424 | 37 | 8.7 | 11 | 5 | 45.5 | 1 | | |
| PORTUGUESE | 184 | 93 | 91 | 102.1 | 93 | 3 | 3.2 | 89 | 6 | 6.7 | | | | 2 | 2 | 100.0 |
| VIETNAMESE | 86 | 40 | 46 | 86.9 | 40 | 1 | 2.5 | 46 | 4 | 8.7 | | | | | | |
| OTHER | 489 | 278 | 211 | 131.7 | 277 | 14 | 5.1 | 208 | 11 | 5.3 | 1 | | | 3 | | |
| UNKNOWN | 2 | 2 | | | 2 | 1 | 50.0 | | | | | | | | | |

[a] NUMBER OF MALES PER 100 FEMALES
[b] INFANTS OF 2500 GRAMS (5 LB 8 OZ) OR LESS ARE CONSIDERED LOW BIRTH WEIGHT
[c] PERCENT OF BIRTHS OF KNOWN WEIGHT ONLY

TABLE 18
LIVE BIRTHS BY RACE AND AGE OF MOTHER
STATE OF HAWAII, 1984

| RACE OF MOTHER | | ALL AGES | | AGE OF MOTHER IN YEARS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | < 15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | OVER 49 | UNKNOWN |
| ALL RACES | NUMBER | 18,667 | 100.0 | 26 | 524 | 1,381 | 5,951 | 5,602 | 3,764 | 1,230 | 179 | 10 | | |
| | PERCENT | 100.0 | | .1 | 2.8 | 7.4 | 31.9 | 30.0 | 20.2 | 6.6 | 1.0 | .1 | | |
| CAUCASIAN | | 5,724 | 30.7 | 2 | 86 | 324 | 1,958 | 1,742 | 1,151 | 425 | 55 | 1 | | |
| HAWAIIAN | | 133 | .7 | | 7 | 14 | 52 | 33 | 21 | 6 | | | | |
| PART HAWN | | 4,051 | 21.7 | 13 | 237 | 536 | 1,559 | 1,022 | 510 | 141 | 31 | 2 | | |
| CHINESE | | 700 | 3.7 | | 3 | 15 | 101 | 232 | 260 | 85 | 4 | | | |
| FILIPINO | | 2,998 | 16.1 | 4 | 109 | 233 | 931 | 914 | 548 | 205 | 48 | 6 | | |
| JAPANESE | | 2,555 | 13.7 | 2 | 25 | 89 | 385 | 900 | 874 | 250 | 30 | | | |
| PUERTO RCN | | 162 | .9 | | 2 | 18 | 73 | 49 | 18 | 2 | | | | |
| KOREAN | | 401 | 2.1 | | 6 | 10 | 74 | 153 | 116 | 38 | 3 | 1 | | |
| SAMOAN | | 516 | 2.8 | 2 | 19 | 51 | 200 | 142 | 73 | 27 | 2 | | | |
| NEGRO | | 652 | 3.5 | 2 | 6 | 45 | 341 | 193 | 54 | 10 | 1 | | | |
| PORTUGUESE | | 219 | 1.2 | | 8 | 17 | 99 | 51 | 35 | 8 | 1 | | | |
| VIETNAMESE | | 94 | .5 | | 2 | 7 | 22 | 20 | 32 | 9 | 2 | | | |
| OTHER | | 460 | 2.5 | 1 | 13 | 22 | 155 | 151 | 92 | 24 | 2 | | | |
| UNKNOWN | | 2 | | | 1 | | 1 | | | | | | | |

TABLE 19
LIVE BIRTHS BY AGE OF FATHER AND OF MOTHER
STATE OF HAWAII, 1984

| AGE OF FATHER | | ALL AGES | | AGE OF MOTHER IN YEARS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | < 15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | OVER 49 | UNKNOWN |
| ALL AGES | NUMBER | 18,667 | 100.0 | 26 | 524 | 1,381 | 5,951 | 5,602 | 3,764 | 1,230 | 179 | 10 | | |
| | PERCENT | 100.0 | | .1 | 2.8 | 7.4 | 31.9 | 30.0 | 20.2 | 6.6 | 1.0 | .1 | | |
| < 15 | | 2 | | | 2 | | | | | | | | | |
| 15-17 | | 78 | .4 | 3 | 47 | 23 | 5 | | | | | | | |
| 18-19 | | 461 | 2.5 | 2 | 107 | 236 | 101 | 11 | 4 | | | | | |
| 20-24 | | 4,030 | 21.6 | 1 | 118 | 618 | 2,751 | 463 | 67 | 10 | 2 | | | |
| 25-29 | | 4,725 | 25.3 | | 18 | 107 | 1,693 | 2,389 | 453 | 58 | 6 | 1 | | |
| 30-34 | | 4,116 | 22.0 | | 2 | 17 | 456 | 1,688 | 1,724 | 208 | 21 | | | |
| 35-39 | | 2,228 | 11.9 | | 1 | 6 | 157 | 506 | 988 | 537 | 31 | 2 | | |
| 40-44 | | 680 | 3.6 | | 2 | 1 | 32 | 105 | 233 | 245 | 61 | 1 | | |
| 45-49 | | 196 | 1.0 | | | | 11 | 44 | 64 | 54 | 21 | 2 | | |
| 50-54 | | 87 | .5 | | | | 7 | 20 | 26 | 19 | 14 | 1 | | |
| 55-59 | | 42 | .2 | | | | 3 | 8 | 13 | 14 | 3 | 1 | | |
| 60-64 | | 27 | .1 | | | | 4 | | 10 | 11 | 1 | 1 | | |
| OVER 64 | | 36 | .2 | | | | 5 | 4 | 9 | 16 | 2 | | | |
| UNKNOWN | | 1,959 | 10.5 | 20 | 227 | 373 | 726 | 364 | 173 | 58 | 17 | 1 | | |

MEDIAN AGE OF KNOWN FATHERS = 29
MEDIAN AGE OF ALL MOTHERS = 25

TABLE 20
ONE MINUTE APGAR SCORE BY FIVE MINUTE APGAR SCORE
STATE OF HAWAII, 1984

| ONE MINUTE APGAR SCORE | FIVE MINUTE APGAR SCORE | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | 0 | 1 | 2 | 0-2 | 3 | 4 | 3-4 | 5 | 6 | 5-6 | 7 | 8 | 7-8 | 9 | 10 | 9-10 | UNKN |
| TOTAL | 18667 | 91 | 391 | 201 | 681 | 111 | 271 | 381 | 611 | 1021 | 1631 | 2761 | 1702 | 1978 | 14657 | 1621 | 16278 | 142 |
| 0 | 12 | 4 | 2 | 2 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 |
| 1 | 129 | 41 | 79 | 7 | 40 | 3 | 5 | 8 | 16 | 16 | 32 | 14 | 20 | 34 | 10 | 1 | 10 | 11 |
| 2 | 135 | 1 | 6 | 8 | 14 | 4 | 10 | 14 | 21 | 23 | 44 | 18 | 23 | 41 | 21 | 1 | 22 | 1 |
| 0-2 | 272 | 9 | 37 | 17 | 62 | 8 | 16 | 23 | 38 | 39 | 77 | 32 | 43 | 75 | 33 | 1 | 34 | 11 |
| 3 | 156 | 1 | 11 | 1 | 2 | 2 | 6 | 8 | 12 | 19 | 31 | 39 | 40 | 79 | 36 | 1 | 36 | 1 |
| 4 | 219 | 1 | 1 | 11 | 11 | 1 | 6 | 7 | 5 | 12 | 17 | 46 | 64 | 110 | 79 | 4 | 83 | 11 |
| 3-4 | 375 | 1 | 11 | 2 | 3 | 3 | 12 | 15 | 17 | 31 | 48 | 85 | 104 | 189 | 115 | 4 | 119 | 11 |
| 5 | 382 | 11 | 1 | 11 | 2 | 1 | 1 | 1 | 5 | 21 | 26 | 57 | 120 | 177 | 168 | 9 | 177 | 1 |
| 6 | 733 | 1 | 11 | 1 | 11 | 1 | 1 | 1 | 1 | 9 | 9 | 60 | 286 | 346 | 355 | 22 | 377 | 1 |
| 5-6 | 1115 | 11 | 11 | 11 | 3 | 1 | 1 | 1 | 5 | 30 | 35 | 117 | 406 | 523 | 523 | 31 | 554 | 1 |
| 7 | 2175 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 11 | 21 | 35 | 628 | 663 | 1424 | 461 | 1470 | 1 |
| 8 | 10094 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 11 | 61 | 514 | 520 | 9196 | 366 | 9562 | 11 |
| 7-8 | 12269 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 21 | 31 | 411 | 11421 | 1183 | 10620 | 4121 | 11032 | 11 |
| 9 | 4431 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 71 | 81 | 3360 | 1063 | 4423 | 1 |
| 10 | 1141 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 41 | 1091 | 1131 | 11 |
| 9-10 | 4545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 71 | 81 | 3364 | 11721 | 45361 | 11 |
| UNKN | 1411 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 11 | 31 | 1381 |

TABLE 21

FIVE MINUTE APGAR SCORE BY RESIDENCE OF MOTHER
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | FIVE MINUTE APGAR SCORE | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | 0 | 1 | 2 | 0-2 | 3 | 4 | 3-4 | 5 | 6 | 5-6 | 7 | 8 | 7-8 | 9 | 10 | 9-10 | UNK |
| STATE OF HAWAII | 18667 | 91 | 391 | 201 | 683 | 111 | 271 | 382 | 611 | 1021 | 1633 | 2761 | 17021 | 19782 | 146571 | 16211 | 162731 | 142 |
| COUNTY OF HAWAII | 1895 | 11 | 51 | 21 | 91 | 1 | 1 | 1 | 41 | 191 | 191 | 271 | 1451 | 1721 | 10981 | 5621 | 16601 | 36 |
| CITY OF HILO | 640 | 1 | 11 | 1 | 11 | 1 | 1 | 1 | 1 | 51 | 51 | 91 | 301 | 391 | 3941 | 1961 | 5901 | 8 |
| BALANCE OF CO | 1255 | 11 | 41 | 21 | 71 | 1 | 1 | 1 | 41 | 101 | 141 | 181 | 1151 | 1331 | 7041 | 3661 | 10701 | 31 |
| COUNTY OF HONOLULU | 14376 | 61 | 291 | 161 | 511 | 91 | 241 | 331 | 481 | 761 | 1201 | 2171 | 13551 | 15721 | 117361 | 8031 | 125391 | 601 |
| CITY OF HONOLULU | 5714 | 21 | 121 | 111 | 251 | 21 | 61 | 81 | 161 | 211 | 371 | 761 | 4851 | 5611 | 47641 | 2991 | 50631 | 201 |
| BALANCE OF CO | 8662 | 41 | 171 | 51 | 261 | 71 | 181 | 251 | 291 | 541 | 831 | 1411 | 8701 | 10111 | 69731 | 5041 | 74771 | 401 |
| COUNTY OF KALAWAO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COUNTY OF KAUAI | 778 | 11 | 11 | 11 | 31 | 11 | 11 | 21 | 61 | 31 | 91 | 161 | 961 | 1121 | 6071 | 281 | 6351 | 171 |
| ISLAND OF KAUAI | 774 | 11 | 11 | 11 | 31 | 11 | 11 | 21 | 61 | 31 | 91 | 151 | 961 | 1121 | 6031 | 281 | 6311 | 171 |
| ISLAND OF NIIHAU | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 41 | 1 | 41 | 1 |
| COUNTY OF MAUI | 1618 | 11 | 41 | 11 | 61 | 11 | 21 | 31 | 61 | 91 | 151 | 161 | 1061 | 1221 | 12151 | 2281 | 14431 | 241 |
| ISLAND OF LANAI | 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 21 | 31 | 291 | 1 | 291 | 1 |
| ISLAND OF MAUI | 1451 | 11 | 41 | 1 | 91 | 11 | 21 | 31 | 61 | 91 | 151 | 141 | 961 | 1081 | 11091 | 1861 | 12951 | 251 |
| ISLAND OF MOLOKAI | 127 | 1 | 1 | 11 | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 91 | 101 | 721 | 401 | 1121 | 41 |

TABLE 22

ILLEGITIMATE LIVE BIRTHS BY PLACE OF OCCURRENCE REALLOCATED TO PLACE OF RESIDENCE AND RACE OF MOTHER
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | PLACE OF OCCURRENCE | BIRTH BY PLACE OF RESIDENCE | | RACE OF MOTHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | RATE* | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGESE | VIETNESE | OTHER | UNKNOWN |
| TOTAL RECORDED | 3597 | 3597 | 191.8 | 686 | 52 | 1592 | 41 | 546 | 216 | 42 | 39 | 149 | 77 | 57 | 22 | 77 | 1 |
| STATE OF HAWAII | 3597 | 3585 | 192.1 | 679 | 52 | 1592 | 41 | 545 | 216 | 42 | 39 | 148 | 77 | 57 | 22 | 74 | 1 |
| COUNTY OF HAWAII | 506 | 525 | 277.0 | 115 | 13 | 234 | 4 | 77 | 23 | 9 | 3 | 2 | 4 | 26 | | 15 | |
| CITY OF HILO | 358 | 202 | 323.2 | 20 | 4 | 100 | 3 | 33 | 10 | 5 | 2 | 1 | 1 | 14 | | 9 | |
| BALANCE OF COUNTY | 148 | 323 | 254.3 | 95 | 9 | 134 | 1 | 44 | 13 | 4 | 1 | 1 | 3 | 12 | | 6 | |
| COUNTY OF HONOLULU | 2605 | 2535 | 176.3 | 413 | 21 | 1132 | 33 | 396 | 170 | 28 | 36 | 146 | 69 | 19 | 22 | 49 | 1 |
| CITY OF HONOLULU | 2265 | 938 | 164.2 | 187 | 3 | 344 | 17 | 133 | 85 | 11 | 27 | 65 | 14 | 5 | 18 | 29 | 1 |
| BALANCE OF COUNTY | 340 | 1597 | 184.4 | 226 | 18 | 788 | 16 | 263 | 85 | 17 | 9 | 81 | 55 | 14 | 4 | 21 | |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | 146 | 151 | 194.1 | 43 | 6 | 59 | | 22 | 9 | 1 | | | 1 | 4 | | 4 | |
| ISLAND OF KAUAI | 146 | 151 | 195.1 | 43 | 6 | 59 | | 22 | 9 | 1 | | | 1 | 4 | | 4 | |
| ISLAND OF NIIHAU | | | | | | | | | | | | | | | | | |
| COUNTY OF MAUI | 340 | 374 | 231.1 | 108 | 10 | 167 | 4 | 50 | 14 | 4 | | | 3 | 8 | | 6 | |
| ISLAND OF LANAI | 3 | 5 | 156.3 | | | 2 | | 3 | | | | | | | | | |
| ISLAND OF MAUI | 311 | 321 | 220.0 | 105 | 7 | 124 | 4 | 46 | 14 | 4 | | | 3 | 8 | | 6 | |
| ISLAND OF MOLOKAI (EXCL. KALAWAO) | 26 | 48 | 378.0 | 3 | 3 | 41 | | 1 | | | | | | | | | |
| NONRESIDENT | | 12 | 134.8 | 7 | | | | 1 | | | | 1 | | | | 3 | |
| UNKNOWN RESIDENCE | | | | | | | | | | | | | | | | | |

* NUMBER OF BIRTHS PER 1000 RESIDENT LIVE BIRTHS.

TABLE 23

ILLEGITIMATE LIVE BIRTHS BY WEIGHT AT BIRTH AND RACE OF CHILD
STATE OF HAWAII, 1984

| WEIGHT AT BIRTH IN GRAMS | | RACE OF CHILD | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ALL RACES NUMBER | ALL RACES PERCENT | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER | UNKNOWN |
| TOTAL | | 3,585 | 100.0 | 495 | 32 | 1,904 | 40 | 460 | 169 | 45 | 27 | 147 | 107 | 58 | 21 | 79 | 1 |
| LOW BIRTH WEIGHT[a/] | NUMBER | 346 | 9.7 | 50 | 5 | 138 | 5 | 66 | 18 | 4 | 1 | 6 | 13 | 4 | 1 | 4 | 1 |
| | PERCENT[b/] | | | 10.1 | 15.6 | 8.8 | 12.5 | 14.3 | 10.7 | 8.9 | 3.7 | 4.1 | 12.1 | 6.9 | 4.8 | 5.1 | 100.0 |
| UNDER 501 | | 2 | .1 | | | 2 | | | | | | | | | | | |
| 501 THRU 1000 | | 20 | .6 | 3 | | 10 | | 3 | 1 | 1 | | | 1 | | 1 | | |
| 1001 THRU 1500 | | 39 | 1.1 | 7 | | 21 | | 6 | 1 | | 1 | 1 | 1 | | | | 1 |
| 1501 THRU 2000 | | 58 | 1.6 | 10 | | 27 | 1 | 10 | 4 | | | 2 | 3 | 1 | | | |
| 2001 THRU 2500 | | 227 | 6.3 | 30 | 5 | 108 | 4 | 47 | 12 | 3 | | 3 | 8 | 3 | | 4 | |
| 2501 THRU 3000 | | 777 | 21.7 | 71 | 3 | 409 | 16 | 126 | 42 | 11 | 5 | 22 | 30 | 12 | 7 | 23 | |
| 3001 THRU 3500 | | 1,424 | 39.7 | 182 | 15 | 773 | 12 | 190 | 68 | 16 | 7 | 54 | 43 | 24 | 12 | 28 | |
| 3501 THRU 4000 | | 808 | 22.5 | 141 | 7 | 437 | 5 | 67 | 28 | 11 | 14 | 50 | 17 | 13 | 1 | 17 | |
| 4001 THRU 4500 | | 193 | 5.4 | 44 | 1 | 97 | 1 | 10 | 12 | 3 | | 11 | 4 | 5 | | 5 | |
| 4501 THRU 5000 | | 26 | .7 | 5 | 1 | 15 | | | | | | 3 | | | | 2 | |
| OVER 5000 | | 5 | .1 | 1 | | 2 | 1 | | | | | 1 | | | | | |
| UNKNOWN | | 6 | .2 | 1 | | 3 | | 1 | 1 | | | | | | | | |

MEDIAN WEIGHT, LB.OZ. 7- 1 GRAMS 3198

[a/] INFANTS OF 2500 GRAMS OR LESS ARE CONSIDERED LOW BIRTH WEIGHT
[b/] PERCENT OF SINGLE LIVE BIRTHS OF KNOWN WEIGHT

TABLE 24

ILLEGITIMATE LIVE BIRTHS BY RACE AND AGE OF MOTHER
STATE OF HAWAII, 1984

| RACE OF MOTHER | | ALL AGES | | AGE OF MOTHER IN YEARS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | RATIO* | < 15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | OVER 49 | UNKNOWN |
| ALL RACES | NUMBER | 3,585 | 192.1 | 25 | 417 | 731 | 1,340 | 633 | 311 | 103 | 24 | 1 | | |
| | RATIO* | | | 961.5 | 795.8 | 529.3 | 225.2 | 113.0 | 82.6 | 83.7 | 134.1 | 100.0 | | |
| CAUCASIAN | | 679 | 118.6 | 2 | 46 | 78 | 223 | 173 | 110 | 41 | 6 | | | |
| HAWAIIAN | | 52 | 391.0 | | 5 | 10 | 23 | 6 | 6 | 2 | | | | |
| PART HAWN | | 1,592 | 393.0 | 13 | 212 | 386 | 652 | 216 | 85 | 19 | 9 | | | |
| CHINESE | | 41 | 58.6 | | 2 | 7 | 9 | 10 | 12 | 1 | | | | |
| FILIPINO | | 545 | 181.8 | 4 | 82 | 118 | 195 | 96 | 33 | 13 | 3 | 1 | | |
| JAPANESE | | 216 | 94.5 | 1 | 24 | 53 | 63 | 41 | 23 | 7 | 4 | | | |
| PUERTO RCN | | 42 | 259.3 | | 2 | 10 | 21 | 6 | 2 | 1 | | | | |
| KOREAN | | 39 | 97.3 | | 4 | 5 | 5 | 9 | 9 | 6 | 1 | | | |
| SAMOAN | | 148 | 286.8 | 2 | 15 | 33 | 62 | 23 | 7 | 5 | 1 | | | |
| NEGRO | | 77 | 118.1 | 2 | 5 | 9 | 33 | 20 | 7 | 1 | | | | |
| PORTUGUESE | | 57 | 260.3 | | 8 | 10 | 20 | 9 | 8 | 2 | | | | |
| VIETNAMESE | | 22 | 234.0 | | 1 | 5 | 4 | 5 | 5 | 2 | | | | |
| OTHER | | 74 | 160.9 | 1 | 10 | 7 | 30 | 19 | 4 | 3 | | | | |
| UNKNOWN | | 1 | 500.0 | | 1 | | | | | | | | | |

* NUMBER OF ILLEGITIMATE BIRTHS PER 1000 LIVE BIRTHS IN SPECIFIED GROUP.

TABLE 25

HAWAII RESIDENT BIRTHS OCCURRING OUTSIDE STATE BY AGE OF MOTHER, RACE, AND SEX OF CHILD*
1984

| AGE OF MOTHER | TOTAL | | RACE AND SEX OF CHILD | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CAUCA-SIAN | | JAPA-NESE | | CHI-NESE | | FILI-PINO | | HAWAIIAN PT HAW'N | | KOREAN | | BLACK | | OTHER PAC. IS. | | OTHER & UNK | |
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL | 24 | 15 | 16 | 7 | | | 1 | | 1 | 3 | | | | | 4 | 2 | 2 | 1 | | 2 |
| UNDER 15 | 1 | | | | | | | | 1 | | | | | | | | | | | |
| 15 - 19 | 4 | 2 | 4 | 1 | | | | | | 1 | | | | | | | | | | |
| 20 - 24 | 9 | 4 | 6 | 3 | | | | | | | | | | | 2 | 1 | 1 | | | |
| 25 - 34 | 9 | 8 | 5 | 2 | | | 1 | | | 2 | | | | | 2 | 1 | 1 | 1 | | 2 |
| 35 - 44 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | | | | |

*INCLUDES BIRTHS OCCURRING IN THE UNITED STATES, GUAM, AND CANADA.

FIGURE 2
DEATHS OCCURRING IN HAWAII 1900-1984

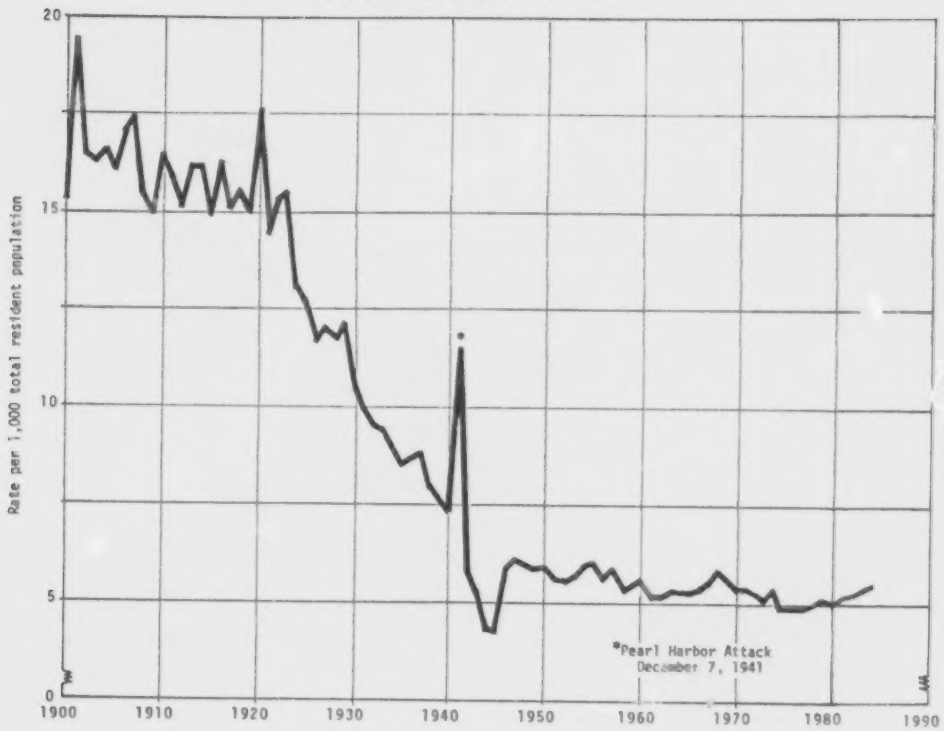



TABLE 26
TOTAL DEATHS BY PLACE OF OCCURRENCE REALLOCATED TO USUAL RESIDENCE BY RACE
STATE OF HAWAII, 1984[a]

| GEOGRAPHIC AREA | TOTAL BY PLACE OF OCCURR | TOTAL BY PLACE OF RESIDENCE | | ALL RACES | | RACE | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | RATE[b] | MALE | FE-MALE | CAUCA-SIAN | HAWN | PT. HAWN | CHI-NESE | FILI-PINO | JAPA-NESE | PUERTO RICAN | KO-REAN | SA-MOAN | NEGRO | PORTU GUESE | VIETNA -MESE | OTHER RACES | UN-KNOWN |
| TOTAL RECORDED | 5942 | 5942 | 5.7 | 3563 | 2379 | 1684 | 192 | 716 | 363 | 765 | 1592 | 72 | 90 | 72 | 60 | 232 | 7 | 92 | 5 |
| STATE OF HAWAII | 5942 | 5571 | 5.4 | 3313 | 2258 | 1434 | 190 | 713 | 362 | 753 | 1574 | 71 | 82 | 56 | 43 | 230 | 7 | 47 | 4 |
| CTY OF HAWAII | 636 | 707 | 6.6 | 430 | 277 | 165 | 33 | 95 | 13 | 102 | 211 | 16 | 4 | 1 | 5 | 55 | 1 | 6 | |
| CITY OF HILO | 421 | 263 | | 158 | 105 | 47 | 11 | 36 | 7 | 21 | 108 | 6 | 2 | | | 21 | 1 | 3 | |
| BALANCE OF CTY | 215 | 444 | | 272 | 172 | 118 | 22 | 59 | 6 | 81 | 103 | 10 | 2 | 1 | 5 | 34 | | 3 | |
| CTY OF HONOLULU | 4587 | 4122 | 5.1 | 2411 | 1711 | 1116 | 124 | 524 | 338 | 495 | 1135 | 45 | 77 | 54 | 40 | 126 | 6 | 38 | 4 |
| CITY-HONOLULU | 3669 | 2420 | | 1419 | 1001 | 677 | 50 | 223 | 278 | 223 | 751 | 18 | 56 | 31 | 17 | 69 | 5 | 19 | 3 |
| BALANCE OF CTY | 918 | 1702 | | 992 | 710 | 439 | 74 | 301 | 60 | 272 | 384 | 27 | 21 | 23 | 23 | 57 | 1 | 19 | 1 |
| CTY OF KALAWAO | 6 | 7 | | 7 | | | 3 | 2 | 1 | | | 1 | | | | | | | |
| CTY OF KAUAI | 266 | 272 | 6.1 | 155 | 117 | 44 | 6 | 28 | 3 | 65 | 96 | 5 | | | 1 | 24 | | | |
| ISL OF KAUAI | 266 | 270 | | 155 | 115 | 44 | 5 | 27 | 3 | 65 | 96 | 5 | | | 1 | 24 | | | |
| ISL OF NIIHAU | | 2 | | | 2 | | 1 | 1 | | | | | | | | | | | |
| CTY OF MAUI | 447 | 463 | 5.6 | 310 | 153 | 109 | 24 | 64 | 7 | 91 | 132 | 4 | 1 | 1 | 2 | 25 | | 3 | |
| ISL OF LANAI | 11 | 12 | 4.8 | 6 | 6 | | 2 | 2 | | 4 | 4 | | | | | | | | |
| ISL OF MAUI | 409 | 412 | 5.6 | 277 | 135 | 104 | 16 | 53 | 7 | 71 | 126 | 4 | 1 | 1 | 2 | 24 | | 3 | |
| ISL OF MOLOKAI (EXCL KALAWAO) | 27 | 39 | 5.6 | 27 | 12 | 5 | 6 | 9 | | 16 | 2 | | | | | 1 | | | |
| NONRESIDENT | | 369 | | 248 | 121 | 250 | 1 | 3 | 1 | 12 | 18 | 1 | 8 | 16 | 12 | 2 | | 45 | |
| UNKNOWN | | 2 | | 2 | | | 1 | | | | | | | | | | | | 1 |

a/ EXCLUDES DEATHS OF HAWAII RESIDENTS OCCURRING AND RECORDED IN OTHER REGISTRATION AREAS
b/ RATE OF DEATH PER 1,000 RESIDENT POPULATION

TABLE 27
RESIDENT DEATHS BY PLACE AND MONTH OF OCCURRENCE
STATE OF HAWAII, 1984

| PLACE OF OCCURRENCE | | TOTAL | MONTH OF OCCURRENCE | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | UNK |
| STATE OF HAWAII | NUMBER | 5571 | 475 | 436 | 519 | 434 | 467 | 419 | 470 | 465 | 452 | 481 | 484 | 469 | |
| | PERCENT | 100.0 | 8.5 | 7.8 | 9.3 | 7.8 | 8.4 | 7.5 | 8.4 | 8.3 | 8.1 | 8.6 | 8.7 | 8.4 | |
| CTY OF HAWAII | | 620 | 48 | 55 | 62 | 59 | 45 | 39 | 45 | 47 | 50 | 52 | 62 | 56 | |
| CITY OF HILO | | 416 | 30 | 35 | 46 | 36 | 27 | 29 | 29 | 34 | 33 | 36 | 43 | 38 | |
| BALANCE OF CTY | | 204 | 18 | 20 | 16 | 23 | 18 | 10 | 16 | 13 | 17 | 16 | 19 | 18 | |
| CTY OF HONOLULU | | 4288 | 366 | 346 | 393 | 318 | 356 | 323 | 373 | 346 | 353 | 380 | 374 | 360 | |
| CITY-HONOLULU | | 3389 | 280 | 270 | 291 | 271 | 277 | 251 | 295 | 284 | 284 | 307 | 293 | 286 | |
| BALANCE OF CTY | | 899 | 86 | 76 | 102 | 47 | 79 | 72 | 78 | 62 | 69 | 73 | 81 | 74 | |
| CTY OF KALAWAO | | 6 | 1 | | 2 | | | | | 2 | | | 1 | | |
| CTY OF KAUAI | | 248 | 27 | 18 | 23 | 23 | 18 | 19 | 18 | 25 | 17 | 25 | 18 | 17 | |
| ISL OF KAUAI | | 248 | 27 | 18 | 23 | 23 | 18 | 19 | 18 | 25 | 17 | 25 | 18 | 17 | |
| ISL OF NIIHAU | | | | | | | | | | | | | | | |
| CTY OF MAUI | | 409 | 33 | 17 | 39 | 34 | 48 | 38 | 34 | 45 | 32 | 24 | 29 | 36 | |
| ISL OF LANAI | | 10 | 2 | | 2 | 2 | | 1 | | 1 | 1 | | | 1 | |
| ISL OF MAUI | | 374 | 28 | 16 | 35 | 31 | 47 | 36 | 29 | 42 | 29 | 22 | 26 | 33 | |
| ISL OF MOLOKAI | | 25 | 3 | 1 | 2 | 1 | 1 | 1 | 5 | 2 | 2 | 2 | 3 | 2 | |
| NON-RESIDENT | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | |

TABLE 28
RESIDENT DEATHS BY PLACE OF OCCURRENCE, AGE, AND SEX
STATE OF HAWAII, 1984

| PLACE OF OCCURRENCE | ALL AGES | | | | AGE AND SEX | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | MALE | FEMALE | UNK | UNDER 1 | | 1 - 4 | | 5 - 14 | | 15 - 17 | | 18 - 24 | | 25 - 44 | | 45 - 64 | | 65 - 74 | | 75 & OVER | | UNK |
| | | | | | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | |
| STATE OF HAWAII | 5571 | 3313 | 2258 | | 102 | 84 | 12 | 16 | 17 | 13 | 21 | 6 | 84 | 25 | 251 | 104 | 797 | 473 | 819 | 459 | 1210 | 1080 | |
| CTY OF HAWAII | 620 | 387 | 233 | | 9 | 2 | | 2 | 3 | 2 | 1 | 2 | 11 | 4 | 29 | 6 | 74 | 53 | 101 | 43 | 159 | 119 | |
| CITY OF HILO | 416 | 250 | 166 | | 6 | 2 | | 2 | 2 | 1 | 1 | 2 | 7 | 2 | 14 | 3 | 53 | 39 | 61 | 26 | 106 | 89 | |
| BALANCE OF CTY | 204 | 137 | 67 | | 3 | | | | 1 | 1 | | | 4 | 2 | 15 | 3 | 21 | 14 | 40 | 17 | 53 | 30 | |
| CTY OF HONOLULU | 4288 | 2496 | 1792 | | 89 | 79 | 11 | 10 | 13 | 8 | 17 | 4 | 61 | 19 | 186 | 82 | 637 | 379 | 623 | 366 | 859 | 845 | |
| CITY-HONOLULU | 3389 | 1957 | 1432 | | 82 | 73 | 6 | 10 | 9 | 6 | 10 | 3 | 44 | 13 | 122 | 61 | 491 | 298 | 502 | 303 | 691 | 665 | |
| BALANCE OF CTY | 899 | 539 | 360 | | 7 | 6 | 5 | | 4 | 2 | 7 | 1 | 17 | 6 | 64 | 21 | 146 | 81 | 121 | 63 | 168 | 180 | |
| CTY OF KALAWAO | 6 | 6 | | | | | | | | | | | | | | | 2 | | 1 | | 3 | | |
| CTY OF KAUAI | 248 | 149 | 99 | | 1 | 3 | | 1 | 1 | | 2 | | 3 | 1 | 10 | 8 | 27 | 20 | 28 | 23 | 77 | 43 | |
| ISL OF KAUAI | 248 | 149 | 99 | | 1 | 3 | | 1 | 1 | | 2 | | 3 | 1 | 10 | 8 | 27 | 20 | 28 | 23 | 77 | 43 | |
| ISL OF NIIHAU | | | | | | | | | | | | | | | | | | | | | | | |
| CTY OF MAUI | 409 | 275 | 134 | | 3 | | 1 | 1 | | 3 | 1 | | 9 | 1 | 26 | 8 | 57 | 21 | 66 | 27 | 112 | 73 | |
| ISL OF LANAI | 10 | 4 | 6 | | | | | | | | | | | | | 1 | 3 | 1 | | 1 | 1 | 3 | |
| ISL OF MAUI | 374 | 253 | 121 | | 3 | | 1 | 1 | | 3 | 1 | | 8 | 1 | 25 | 7 | 54 | 18 | 60 | 25 | 101 | 66 | |
| ISL OF MOLOKAI | 25 | 18 | 7 | | | | | | | | | | 1 | | 1 | | | 2 | 0 | 1 | 10 | 4 | |
| NON-RESIDENT | | | | | | | | | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 29
RESIDENT DEATHS BY AGE AND RACE
STATE OF HAWAII, 1984

| AGE IN YEARS | ALL RACES | | | | RACE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | MALE | FEMALE | UNK | CAUCASIAN | HAWN | PT. HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER RACES | UNK |
| ALL AGES | 5571 | 3313 | 2258 | | 1434 | 190 | 713 | 362 | 753 | 1574 | 71 | 82 | 56 | 48 | 230 | 7 | 47 | 4 |
| UNDER 1 | 186 | 102 | 84 | | 35 | 1 | 68 | 5 | 33 | 14 | 1 | 4 | 2 | 15 | | 2 | 6 | |
| 1 - 4 | 26 | 12 | 14 | | 3 | | 14 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | | 1 | |
| 5 - 14 | 30 | 17 | 13 | | 4 | | 10 | | 8 | 4 | | | 2 | 2 | | | | |
| 15 - 17 | 27 | 21 | 6 | | 4 | | 9 | 1 | 4 | 4 | | 2 | 1 | | | 1 | 1 | |
| 18 - 19 | 23 | 16 | 7 | | 7 | 1 | 7 | | 4 | 1 | | | 3 | | | | | |
| 20 - 24 | 86 | 68 | 18 | | 34 | 1 | 21 | 3 | 11 | 8 | 1 | | 1 | 2 | | | 3 | 1 |
| 25 - 34 | 156 | 112 | 44 | | 46 | 3 | 38 | 6 | 16 | 21 | 2 | 3 | 5 | 6 | 4 | 2 | 4 | |
| 35 - 44 | 199 | 139 | 60 | | 77 | 9 | 37 | 11 | 20 | 27 | 2 | 9 | 1 | 2 | 3 | | 1 | |
| 45 - 54 | 368 | 226 | 142 | | 97 | 18 | 72 | 16 | 43 | 81 | 11 | 12 | 4 | 4 | 7 | | 2 | 1 |
| 55 - 64 | 902 | 571 | 331 | | 217 | 44 | 153 | 45 | 91 | 257 | 13 | 11 | 12 | 7 | 39 | 1 | 12 | |
| 65 - 74 | 1278 | 819 | 459 | | 348 | 61 | 135 | 102 | 160 | 359 | 13 | 6 | 14 | 6 | 64 | 1 | 8 | 1 |
| 75 & OVER | 2290 | 1210 | 1080 | | 652 | 52 | 149 | 172 | 362 | 797 | 27 | 34 | 9 | 3 | 113 | | 9 | 1 |
| UNKNOWN | | | | | | | | | | | | | | | | | | |

TABLE 30
TOTAL RECORDED DEATHS, BY AGE, RACE, AND SEX
STATE OF HAWAII, 1984

| CAUSE | AGE | TOTAL | MAL | FEM | CAUCASIAN | | HAWAIIAN | | PART HAWN | | CHINESE | | FILIPINO | | JAPANESE | | PUERTRCN | | KOREAN | | SAMOAN | | NEGRO | | PORTUGUESE | | VIETNAMESE | | OTHER | | UNK | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| ALL | < 1 | 205 | 117 | 88 | 21 | 19 | | 1 | 32 | 36 | 5 | | 22 | 13 | 7 | 7 | 1 | | 2 | 2 | 4 | | 15 | 4 | | | 1 | 1 | 7 | 5 | | |
| | 1 | 11 | 6 | 5 | | | | | 4 | 3 | | | 1 | | | | 1 | | | | | | | 1 | | | | | 1 | | |
| | 2 | 10 | 3 | 7 | | 1 | | | 3 | 2 | | 1 | | | | 1 | | | | 1 | | 1 | | | | | | | | | |
| | 3 | 4 | 1 | 3 | 1 | | | | | | | | | | | | | | | | | 1 | | | | | | | 2 | | |
| | 4 | 5 | 3 | 2 | | 1 | | | 3 | | | | | | | | | | | | | | | | | | | | 1 | | |
| | 5-9 | 19 | 11 | 8 | 1 | 1 | | | 3 | 1 | | | | 1 | 2 | 2 | | | | | | 1 | 2 | 1 | | | | | 3 | 1 | |
| | 10-14 | 18 | 9 | 9 | 1 | 2 | | | 1 | 5 | | | 6 | 2 | | | | | | | | | | 1 | | | | | | | |
| | 15-19 | 57 | 41 | 16 | 10 | 4 | | 1 | 13 | 3 | 1 | | 7 | 1 | 5 | | | | | | 2 | 2 | 3 | | | | 1 | | 2 | 2 | | |
| | 20-24 | 98 | 75 | 23 | 31 | 11 | 1 | | 17 | 4 | 3 | | 8 | 3 | 8 | 2 | 1 | | | | | 1 | 1 | 1 | 1 | | | | 3 | 1 | 1 | |
| | 25-29 | 91 | 70 | 21 | 25 | 5 | 1 | | 13 | 4 | 3 | 2 | 6 | 3 | 9 | 5 | 1 | | | | | 3 | 1 | 3 | | 3 | 1 | 1 | 2 | | | |
| | 30-34 | 85 | 57 | 28 | 20 | 8 | 1 | 1 | 14 | 7 | | 1 | 3 | 4 | 8 | 2 | 1 | | 1 | 2 | 2 | | | 3 | 2 | 1 | | | 1 | 3 | | | |
| | 35-39 | 106 | 80 | 26 | 45 | 10 | 2 | | 10 | 3 | 2 | 1 | 6 | 3 | 6 | 6 | 1 | | 4 | 1 | 1 | | | 2 | | | | | 1 | 2 | | |
| | 40-44 | 121 | 78 | 43 | 29 | 10 | 4 | 3 | 16 | 9 | 6 | 2 | 5 | 6 | 9 | 7 | 1 | | 4 | 3 | 2 | | | | | 2 | 1 | | | 2 | | |
| | 45-49 | 155 | 96 | 59 | 25 | 17 | 3 | 3 | 16 | 18 | 3 | 2 | 12 | 6 | 23 | 9 | 1 | 1 | 1 | 1 | 1 | | 5 | | 3 | 1 | | | 3 | 1 | | |
| | 50-54 | 251 | 157 | 94 | 55 | 22 | 6 | 6 | 21 | 17 | 9 | 2 | 18 | 10 | 28 | 24 | 6 | 3 | 6 | 5 | 2 | 3 | 1 | | 3 | | | | 1 | 2 | 1 | |
| | 55-59 | 417 | 266 | 151 | 67 | 33 | 16 | 5 | 45 | 33 | 10 | 5 | 29 | 20 | 68 | 42 | 1 | 2 | 4 | 3 | 5 | 1 | 3 | 1 | 9 | 1 | 1 | | 8 | 5 | | |
| | 60-64 | 568 | 364 | 204 | 123 | 48 | 14 | 10 | 42 | 34 | 17 | 13 | 30 | 14 | 94 | 60 | 8 | 2 | 3 | 3 | 2 | 5 | 5 | | 19 | 10 | | | 7 | 5 | | |
| | 65-69 | 650 | 419 | 231 | 144 | 75 | 19 | 5 | 40 | 30 | 30 | 17 | 27 | 22 | 113 | 63 | 5 | 1 | 3 | 2 | 8 | 2 | 4 | 1 | 19 | 11 | 1 | | 6 | 2 | | |
| | 70-74 | 721 | 461 | 260 | 125 | 80 | 24 | 14 | 33 | 32 | 36 | 20 | 94 | 20 | 112 | 72 | 4 | 4 | 2 | | 5 | 2 | | 2 | 22 | 12 | | | 4 | 1 | | 1 |
| | 75-79 | 704 | 451 | 253 | 129 | 81 | 12 | 3 | 22 | 29 | 27 | 16 | 95 | 25 | 125 | 69 | 7 | 2 | 5 | 7 | 4 | 1 | 1 | | 23 | 19 | | | 1 | 1 | | |
| | 80-84 | 644 | 351 | 293 | 78 | 85 | 16 | 7 | 17 | 27 | 29 | 36 | 95 | 19 | 95 | 85 | 2 | 6 | 1 | 5 | 1 | 3 | 1 | 1 | 12 | 17 | | | 3 | 2 | 1 | |
| | 85-89 | 541 | 272 | 269 | 55 | 84 | 4 | 7 | 19 | 16 | 29 | 15 | 71 | 15 | 79 | 113 | 2 | 1 | 2 | 6 | 1 | | | | 9 | 12 | | | 1 | | | |
| | 90-94 | 318 | 115 | 203 | 23 | 49 | | 2 | 7 | 9 | 6 | 7 | 24 | 10 | 46 | 104 | 2 | 3 | 3 | 5 | | | | 1 | 4 | 12 | | | | 1 | | |
| | > 94 | 142 | 59 | 83 | 6 | 24 | 1 | | | 3 | 2 | 5 | 7 | 2 | 38 | 44 | 1 | 1 | 1 | | | 1 | | | 3 | 3 | | | | | | |
| | UNK | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | TOTAL | 5942 | 3563 | 2379 | 1014 | 670 | 124 | 68 | 391 | 325 | 218 | 145 | 566 | 199 | 875 | 717 | 46 | 26 | 42 | 48 | 45 | 27 | 46 | 14 | 132 | 100 | 5 | 2 | 55 | 37 | 4 | 1 |

NOTE: UNKNOWN SEX FALLS IN MALE CATEGORY

TABLE 31
TOTAL RESIDENT DEATHS RECORDED IN HAWAII BY AGE GROUPS FOR SELECTED YEARS
STATE OF HAWAII: 1984, 1974, AND 1964

| AGE IN YEARS | 1984 | | 1974[a/] | | 1964[a/] | |
|---|---|---|---|---|---|---|
| | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT |
| ALL AGES ..... | 5,571 | 100.0 | 4,286 | 100.0 | 3,571 | 100.0 |
| UNDER 1 ..... | 186 | 3.3 | 241 | 5.6 | 341 | 9.6 |
| 1 - 4 ..... | 26 | 0.5 | 29 | 0.7 | 55 | 1.5 |
| 5 - 9 ..... | 14 | 0.3 | 21 | 0.5 | 11 | 0.3 |
| 10 - 14 ..... | 16 | 0.3 | 19 | 0.5 | 23 | 0.6 |
| 15 - 19 ..... | 50 | 0.9 | 70 | 1.6 | 42 | 1.2 |
| 20 - 24 ..... | 86 | 1.5 | 78 | 1.8 | 45 | 1.3 |
| 25 - 34 ..... | 156 | 2.8 | 141 | 3.3 | 83 | 2.3 |
| 35 - 44 ..... | 199 | 3.6 | 185 | 4.3 | 223 | 6.2 |
| 45 - 54 ..... | 368 | 6.6 | 451 | 10.5 | 403 | 11.3 |
| 55 - 64 ..... | 902 | 16.2 | 755 | 17.6 | 599 | 16.8 |
| 65 - 74 ..... | 1,278 | 22.9 | 913 | 21.3 | 705 | 19.7 |
| 75 - 84 ..... | 1,302 | 23.4 | 834 | 19.5 | 695 | 19.5 |
| 85 & OVER ..... | 988 | 17.7 | 549 | 12.8 | 346 | 9.7 |
| UNKNOWN ..... | -- | | -- | | -- | |

MEDIAN AGE AT DEATH 1984: 71.1 YEARS; 1974: 66.7 YEARS; 1964: 64.3 YEARS
[a/]SOURCE: DEPARTMENT OF HEALTH ANNUAL STATISTICAL REPORT, 1974

TABLE 32
RESIDENT DEATHS BY AGE, SEX, AND MARITAL STATUS
STATE OF HAWAII, 1984

| AGE IN YEARS | NUMBER BY MARITAL STATUS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MALE | | | | | | FEMALE | | | | | | UNKNOWN | | | | | |
| | TOTAL | SIN | MAR | WID | DIV | UNK | TOTAL | SIN | MAR | WID | DIV | UNK | TOTAL | SIN | MAR | WID | DIV | UNK |
| ALL AGES | 3313 | 641 | 1898 | 458 | 301 | 15 | 2258 | 248 | 744 | 1079 | 186 | 1 | | | | | | |
| UNDER 15 | 131 | 131 | | | | | 111 | 111 | | | | | | | | | | |
| 15 - 17 | 21 | 21 | | | | | 6 | 6 | | | | | | | | | | |
| 18 - 19 | 16 | 16 | | | | | 7 | 7 | | | | | | | | | | |
| 20 - 24 | 68 | 58 | 7 | | 3 | | 18 | 12 | 4 | | 2 | | | | | | | |
| 25 - 34 | 112 | 68 | 33 | 1 | 10 | | 44 | 11 | 23 | | 10 | | | | | | | |
| 35 - 44 | 134 | 39 | 66 | | 32 | 2 | 60 | 7 | 39 | 1 | 13 | | | | | | | |
| 45 - 54 | 226 | 37 | 138 | 3 | 47 | 1 | 142 | 16 | 86 | 10 | 30 | | | | | | | |
| 55 - 64 | 571 | 76 | 403 | 20 | 70 | 2 | 331 | 19 | 207 | 64 | 41 | | | | | | | |
| 65 - 74 | 619 | 83 | 565 | 101 | 68 | 2 | 459 | 18 | 221 | 176 | 44 | | | | | | | |
| 75 - 84 | 772 | 79 | 482 | 160 | 47 | 4 | 530 | 25 | 134 | 341 | 29 | 1 | | | | | | |
| 85 & OVER | 438 | 33 | 204 | 173 | 24 | 4 | 550 | 16 | 30 | 437 | 17 | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | | |

TABLE 33

RESIDENT DEATHS IN HAWAII
LEADING CAUSES OF DEATH FOR AGE GROUPS
STATE OF HAWAII 1984

| ALL AGE GROUPS | Total | Rate per 10,000 Resident Population | Male | | Female | |
|---|---|---|---|---|---|---|
| | | | Number | Percent | Number | Percent |
| Total | 5,571 | 53.6 | 3,313 | 100.0 | 2,258 | 100.0 |
| 1. Diseases of the Heart | 1,771 | 17.1 | 1,062 | 32.1 | 709 | 31.4 |
| 2. Malignant Neoplasm | 1,355 | 13.0 | 821 | 24.8 | 534 | 23.6 |
| 3. Cerebrovascular Disease | 432 | 4.2 | 223 | 6.7 | 209 | 9.3 |
| 4. Influenza and Pneumonia | 223 | 2.2 | 126 | 3.8 | 97 | 4.3 |
| 5. Diabetes Mellitus | 149 | 1.4 | 69 | 2.1 | 80 | 3.5 |
| 6. Motor Vehicle Accidents | 136 | 1.3 | 96 | 2.9 | 40 | 1.8 |
| 7. Suicide | 114 | 1.1 | 94 | 2.8 | 20 | 0.9 |
| 8. Accidents (less Motor V.) | 90 | 0.9 | 74 | 2.2 | 16 | 0.7 |
| 9. Congenital Anomalies | 85 | 0.8 | 40 | 1.2 | 45 | 2.0 |
| 10. Perinatal Conditions | 76 | 0.7 | 45 | 1.4 | 31 | 1.4 |
| All Other Causes | 1,140 | 11.0 | 663 | 20.0 | 477 | 21.1 |

| | Total | Male | Female |
|---|---|---|---|
| UNDER 1 YEAR OLD - TOTAL | 186 | 102 | 84 |
| 1. Perinatal Conditions | 75 | 44 | 31 |
| 2. Congenital Anomalies | 68 | 32 | 36 |
| 3. Diseases of the Heart | 2 | 2 | 0 |
| 4. Nephritis and Nephrosis | 2 | 1 | 1 |
| All Other Causes | 39 | 23 | 16 |
| 1 TO 4 YEAR OLD - TOTAL | 26 | 12 | 14 |
| 1. Accidents (less Motor V.) | 5 | 3 | 2 |
| 2. Motor Vehicle Accidents | 4 | 2 | 2 |
| 3. Congenital Anomalies | 4 | 1 | 3 |
| 4. Influenza & Pneumonia | 3 | 2 | 1 |
| All Other Causes | 10 | 4 | 6 |
| 5-14 YEAR OLD - TOTAL | 30 | 17 | 13 |
| 1. Malignant Neoplasm | 10 | 5 | 5 |
| 2. Accidents (less Motor V.) | 3 | 3 | 0 |
| 3. Congenital Anomalies | 2 | 1 | 1 |
| 4. Suicide | 2 | 1 | 1 |
| All Other Causes | 13 | 7 | 6 |

| | Total | Male | Female |
|---|---|---|---|
| 15-24 YEAR OLD - TOTAL | 136 | 105 | 31 |
| 1. Motor Vehicle Accidents | 43 | 34 | 9 |
| 2. Suicide | 28 | 25 | 3 |
| 3. Accidents (less Motor V.) | 11 | 11 | 0 |
| 4. Malignant Neoplasm | 11 | 9 | 2 |
| 5. Homicide & Legal Interv. | 6 | 3 | 3 |
| 6. Diseases of the Heart | 5 | 3 | 2 |
| 7. Influenza & Pneumonia | 4 | 2 | 2 |
| 8. Congenital Anomalies | 2 | 1 | 1 |
| All Other Causes | 26 | 17 | 09 |
| 25-34 YEAR OLDS - TOTAL | 156 | 112 | 44 |
| 1. Motor Vehicle Accidents | 35 | 28 | 7 |
| 2. Suicide | 23 | 18 | 5 |
| 3. Malignant Neoplasm | 12 | 7 | 5 |
| 4. Homicide & Legal Interv. | 12 | 9 | 3 |
| 5. Diseases of the Heart | 11 | 9 | 2 |
| 6. Accidents (less Motor V.) | 10 | 8 | 2 |
| 7. Cerebrovascular Disease | 4 | 2 | 2 |
| 8. Congenital Anomalies | 3 | 1 | 2 |
| All Other Causes | 46 | 30 | 16 |

TABLE 33 (Cont'd.)
RESIDENT DEATHS ON HAWAII, LEADING CAUSES OF DEATH FOR AGE GROUPS
STATE OF HAWAII 1984

| | Total | Male | Female |
|---|---|---|---|
| 35-44 YEAR OLD - TOTAL | 199 | 139 | 60 |
| 1. Malignant Neoplasm | 51 | 24 | 27 |
| 2. Diseases of the Heart | 32 | 26 | 6 |
| 3. Suicide | 27 | 23 | 4 |
| 4. Cerebrovascular Diseases | 14 | 9 | 5 |
| 5. Motor Vehicle Accidents | 13 | 9 | 4 |
| 6. Accidents (less Motor V.) | 13 | 12 | 1 |
| 7. Homicide & Legal Interv. | 5 | 3 | 2 |
| 8. Cirrhosis of the Liver | 4 | 4 | 0 |
| 9. Diabetes Mellitus | 3 | 1 | 2 |
| 10. Influenza & Pneumonia | 2 | 2 | 0 |
| All Other Causes | 35 | 26 | 9 |
| 45-54 YEAR OLD - TOTAL | 368 | 226 | 142 |
| 1. Malignant Neoplasm | 139 | 75 | 64 |
| 2. Diseases of the Heart | 97 | 66 | 31 |
| 3. Cerebrovascular Diseases | 27 | 14 | 13 |
| 4. Motor Vehicle Accidents | 13 | 7 | 6 |
| 5. Cirrhosis of the Liver | 12 | 12 | 0 |
| 6. Suicide | 10 | 7 | 3 |
| 7. Diabetes Mellitus | 7 | 4 | 3 |
| 8. Accidents (less Motor V.) | 5 | 5 | 0 |
| 9. Bronchitis, Emphysema, Asthma | 4 | 2 | 2 |
| 10. Homicide & Legal Interv. | 3 | 2 | 1 |
| All Other Causes | 51 | 32 | 19 |
| 55-64 YEAR OLD - TOTAL | 902 | 571 | 331 |
| 1. Malignant Neoplasm | 335 | 207 | 128 |
| 2. Diseases of the Heart | 306 | 205 | 101 |
| 3. Cerebrovascular Diseases | 46 | 27 | 19 |
| 4. Diabetes Mellitus | 22 | 13 | 9 |
| 5. Cirrhosis of the Liver | 19 | 13 | 6 |
| 6. Influenza & Pneumonia | 13 | 10 | 3 |
| 7. Accidents (less Motor V.) | 10 | 9 | 1 |
| 8. Suicide | 8 | 4 | 4 |
| 9. Peptic Ulcer | 8 | 5 | 3 |
| 10a. Motor Vehicle Accidents | 7 | 3 | 4 |
| 10b. Bronchitis, Emphysema, Asthma | 7 | 7 | 0 |
| All Other Causes | 121 | 68 | 53 |

| | Total | Male | Female |
|---|---|---|---|
| 65-74 YEAR OLD - TOTAL | 1,278 | 819 | 459 |
| 1. Diseases of the Heart | 436 | 284 | 152 |
| 2. Malignant Neoplasm | 400 | 263 | 137 |
| 3. Cerebrovascular Diseases | 96 | 57 | 39 |
| 4. Diabetes Mellitus | 46 | 22 | 24 |
| 5. Influenza & Pneumonia | 38 | 28 | 10 |
| 6. Cirrhosis of the Liver | 27 | 20 | 7 |
| 7. Bronchitis, Emphysema, Asthma | 13 | 10 | 3 |
| 8. Motor Vehicle Accidents | 11 | 6 | 5 |
| 9. Nephritis & Nephrosis | 11 | 5 | 6 |
| 10. Suicide | 11 | 6 | 5 |
| All Other Causes | 189 | 118 | 71 |
| 75-84 YEAR OLD - TOTAL | 1,302 | 772 | 530 |
| 1. Diseases of the Heart | 478 | 295 | 183 |
| 2. Malignant Neoplasm | 279 | 173 | 106 |
| 3. Cerebrovascular Diseases | 135 | 72 | 63 |
| 4. Influenza & Pneumonia | 62 | 40 | 22 |
| 5. Diabetes Mellitus | 30 | 20 | 20 |
| 6. Nephritis & Nephrosis | 20 | 8 | 12 |
| 7. Arteriosclerosis | 19 | 10 | 9 |
| 8. Bronchitis, Emphysema, Asthma | 17 | 9 | 8 |
| 9. Cirrhosis of the Liver | 10 | 7 | 3 |
| 10. Accidents (less Motor V.) | 9 | 5 | 4 |
| All Other Causes | 233 | 133 | 100 |
| OVER 84 YEARS OLD - TOTAL | 988 | 438 | 550 |
| 1. Diseases of the Heart | 402 | 172 | 230 |
| 2. Malignant Neoplasm | 117 | 57 | 60 |
| 3. Cerebrovascular Diseases | 107 | 40 | 67 |
| 4. Influenza & Pneumonia | 97 | 41 | 56 |
| 5. Diabetes Mellitus | 27 | 8 | 19 |
| 6. Arteriosvlerosis | 26 | 12 | 14 |
| 7. Nephritis & Nephrosis | 15 | 9 | 6 |
| 8. Accidents (less Motor V.) | 14 | 10 | 4 |
| 9. Bronchitis, Emphysema, Asthma | 9 | 8 | 1 |
| 10. Suicide | 6 | 5 | 1 |
| All Other Causes | 168 | 76 | 92 |

TABLE 34
TOTAL RESIDENT DEATHS BY COUNTY AND BY SELECTED CAUSES OF DEATH
STATE OF HAWAII 1984

| | STATE TOTAL[a] | | HAWAII COUNTY | | HONOLULU COUNTY | | KAUAI COUNTY | | MAUI COUNTY | |
|---|---|---|---|---|---|---|---|---|---|---|
| | NUMBER | RATE[b] | NUMBER | RATE[b] | NUMBER | RATE[b] | NUMBER | RATE[b] | NUMBER | RATE[b] |
| TOTAL DEATHS | 5571 | 536.3 | 707 | 655.8 | 4122 | 513.3 | 272 | 609.9 | 463 | 555.8 |
| TUBERCULOSIS, ALL FORMS (010-018,137) | 12 | 1.2 | 2 | 1.9 | 7 | 0.9 | 1 | 2.2 | 2 | 2.4 |
| SYPHILIS AND ITS SEQUELAE (090-097) | 1 | 0.1 | | | 1 | 0.1 | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 56 | 5.4 | 1 | 0.9 | 45 | 5.6 | 2 | 4.5 | 4 | 4.8 |
| MALIGNANT NEOPLASM (140-208) | 1355 | 130.5 | 156 | 144.7 | 1019 | 126.9 | 65 | 145.7 | 115 | 138.1 |
| DIGESTIVE ORGANS (150-159) | 455 | 43.8 | 65 | 60.3 | 332 | 41.3 | 24 | 53.8 | 34 | 40.8 |
| RESPIRATORY SYSTEM (160-163) | 365 | 35.1 | 31 | 28.8 | 289 | 36.0 | 10 | 22.4 | 35 | 42.0 |
| BREAST (174-175) | 76 | 7.3 | 3 | 2.8 | 63 | 7.8 | 7 | 15.7 | 3 | 3.6 |
| GENITAL ORGANS (179-187) | 130 | 12.5 | 21 | 19.5 | 90 | 11.2 | 6 | 13.5 | 13 | 15.6 |
| URINARY ORGANS (188-189) | 48 | 4.6 | 7 | 6.5 | 35 | 4.4 | 3 | 6.7 | 3 | 3.6 |
| LEUKEMIA (204-208) | 54 | 5.2 | 4 | 3.7 | 44 | 5.5 | 2 | 4.5 | 4 | 4.8 |
| OTHER (140-208) | 227 | 21.9 | 25 | 23.2 | 166 | 20.7 | 13 | 29.1 | 23 | 27.6 |
| DIABETES MELLITUS (250) | 149 | 14.3 | 19 | 17.6 | 112 | 13.9 | 4 | 9.0 | 14 | 16.8 |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 2332 | 224.5 | 329 | 305.2 | 1698 | 211.5 | 116 | 260.1 | 187 | 224.5 |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 1771 | 170.5 | 246 | 228.2 | 1292 | 160.9 | 94 | 210.8 | 139 | 166.9 |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 11 | 1.1 | 2 | 1.9 | 8 | 1.0 | | | 1 | 1.2 |
| HYPERTENSIVE HEART (402,404) | 52 | 5.0 | 2 | 1.9 | 38 | 4.7 | 9 | 20.2 | 3 | 3.6 |
| ISCHEMIC HEART (410-414) | 1118 | 107.6 | 178 | 165.1 | 809 | 100.7 | 48 | 107.6 | 83 | 99.6 |
| OTHER HEART DISEASE (415-417,420-429) | 590 | 56.8 | 64 | 59.4 | 437 | 54.4 | 37 | 83.0 | 52 | 62.4 |
| HYPERTENSION (401,403) | 17 | 1.6 | 2 | 1.9 | 15 | 1.9 | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 432 | 41.6 | 58 | 53.8 | 315 | 39.2 | 18 | 40.4 | 40 | 48.0 |
| ARTERIOSCLEROSIS (440) | 53 | 5.1 | 12 | 11.1 | 35 | 4.4 | 1 | 2.2 | 5 | 6.0 |
| OTHER CIRCULATORY (441-459) | 59 | 5.7 | 11 | 10.2 | 41 | 5.1 | 3 | 6.7 | 3 | 3.6 |
| INFLUENZA/PNEUMONIA (480-487) | 223 | 21.5 | 24 | 22.3 | 179 | 22.3 | 7 | 15.7 | 13 | 15.6 |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 55 | 5.3 | 3 | 2.8 | 44 | 5.5 | 4 | 9.0 | 4 | 4.8 |
| PEPTIC ULCER (531-533) | 21 | 2.0 | 3 | 2.8 | 12 | 1.5 | 1 | 2.2 | 5 | 6.0 |
| CIRRHOSIS OF LIVER (571) | 74 | 7.1 | 9 | 8.3 | 53 | 6.6 | 4 | 9.0 | 8 | 9.6 |
| NEPHRITIS AND NEPHROSIS (580-589) | 55 | 5.3 | 8 | 7.4 | 35 | 4.4 | 6 | 13.5 | 6 | 7.2 |
| COMPLICATIONS OF PREGNANCY. CHILDBIRTH & PUERPERIUM (630-676) | 2 | 0.2 | | | 2 | 0.2 | | | | |
| CONGENITAL ANOMALIES (740-759) | 85 | 8.2 | 9 | 8.3 | 64 | 8.0 | 6 | 13.5 | 6 | 7.2 |
| PERINATAL CONDITIONS (760-779) | 76 | 7.3 | 11 | 10.2 | 55 | 6.8 | 2 | 4.5 | 8 | 9.6 |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 49 | 4.7 | 7 | 6.5 | 39 | 4.9 | | | 3 | 3.6 |
| ALL OTHER DISEASES (BLANKS,000-799) | 618 | 59.5 | 69 | 64.0 | 464 | 57.8 | 34 | 76.2 | 50 | 60.0 |
| ACCIDENTAL DEATHS (800-949) | 226 | 21.8 | 36 | 33.4 | 155 | 19.3 | 15 | 33.6 | 20 | 24.0 |
| MOTOR VEHICLE (810-825) | 136 | 13.1 | 22 | 20.4 | 93 | 11.6 | 7 | 15.7 | 14 | 16.8 |
| OTHER TRANS. (800-807,826-848) | 8 | 0.8 | 1 | 0.9 | 7 | 0.9 | | | | |
| POISONING (850-869) | | | | | | | | | | |
| FALLS (880-888) | 25 | 2.4 | 4 | 3.7 | 18 | 2.2 | 3 | 6.7 | | |
| FIRES (890-899) | 7 | 0.7 | | | 7 | 0.9 | | | | |
| DROWNING & SUBMERSIONS (910) | 29 | 2.8 | 4 | 3.7 | 16 | 2.0 | 5 | 11.2 | 4 | 4.8 |
| FIREARM MISSILES (922) | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 21 | 2.0 | 5 | 4.6 | 14 | 1.7 | | | 2 | 2.4 |
| SUICIDE (950-959) | 120 | 11.6 | 13 | 12.1 | 94 | 11.7 | 4 | 9.0 | 9 | 10.8 |
| HOMICIDE & LEGAL INTERVENTION (960-978) | 28 | 2.7 | 3 | 2.8 | 20 | 2.5 | 1 | 2.2 | 4 | 4.8 |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | 34 | 3.3 | 5 | 4.6 | 24 | 3.0 | | | 5 | 6.0 |

[a] INCLUDES KALAWAO
[b] RATE PER 100,000 TOTAL RESIDENT POPULATION (MAUI COUNTY INCLUDES KALAUPAPA)

TABLE 34A

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
STATE OF HAWAII 1984

| CAUSES OF DEATH (UNKNOWN SEX IN MALE CATES.) | ALL AGES | | UNDER 1 YR. | | 1-4 YRS. | | 5-9 YRS. | | 10-14 YRS. | | 15-17 YRS. | | 18-19 YRS. | | 20-24 YRS. | | 25-29 YRS. | | 30-34 YRS. | | 35-39 YRS. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 3313 | 2253 | 102 | 84 | 12 | 14 | 8 | 6 | 9 | 7 | 21 | 6 | 16 | 7 | 68 | 18 | 63 | 18 | 49 | 26 | 68 | 22 |
| TUBERCULOSIS, ALL FORMS (010-018,137) | 6 | 6 | | | | | | | | | | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | 1 | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 38 | 16 | 1 | | | | | | | 1 | 1 | | | | 1 | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 821 | 534 | | | 1 | | 2 | 4 | 3 | 1 | 3 | | | | 6 | 2 | 4 | 5 | 3 | | 7 | 10 |
| DIGEST. ORGANS (150-159) | 284 | 171 | | | | | | | 1 | | 1 | | | | | 1 | 1 | | 3 | | 4 | 3 |
| RESPIRATORY SYSTEM (160-163) | 256 | 109 | | | | | | | | | | | | | | | | 1 | | | | 1 |
| BREAST (174-175) | 1 | 75 | | | | | | | | | | | | | | | | | | | | 3 |
| GENITAL ORGANS (179-187) | 63 | 62 | | | | | | | | | | | | | 2 | | 1 | | | | | |
| URINARY ORGANS (188-189) | 33 | 15 | | | | | | | | | | | | | | | | | | | | |
| LEUKEMIA (204-208) | 33 | 21 | | | | | 1 | 2 | | 1 | 1 | | | | 3 | | | 1 | | | 1 | 2 |
| OTHER (140-208) | 146 | 81 | | | 1 | | 1 | 2 | 2 | | 1 | | | | 1 | 1 | 2 | 3 | | | 2 | 1 |
| DIABETES MELLITUS (250) | 69 | 30 | | | | | | | 1 | | | | | 1 | | | | | | 2 | 1 | 1 |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 1353 | 979 | 2 | 1 | | 1 | | | 1 | 1 | | | | | 4 | 2 | 6 | 1 | 4 | 4 | 11 | 5 |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 1062 | 709 | 2 | | | 1 | | | | 1 | | | | | 3 | 2 | 6 | 1 | 3 | 1 | 7 | 1 |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 6 | 3 | | | | | | | | | | | | | | 1 | 1 | | | | | |
| HYPERTENSIVE HEART (402,404) | 19 | 33 | | | | | | | | | | | | | | | | | | | | |
| ISCHEMIC HEART (410-414) | 709 | 409 | | | | | | | | | | | | | | | | | 1 | | 3 | |
| OTHER HEART DISEASE (415-417,420-429) | 328 | 262 | 2 | | | 1 | | | | 1 | | | | | 3 | 1 | 5 | 1 | 2 | 1 | 4 | 1 |
| HYPERTENSION (401,403) | 13 | 4 | | | | | | | | | | | | | | | | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 223 | 209 | | 1 | | | | | 1 | | | | | | 1 | | 1 | | 1 | 2 | 4 | 4 |
| ARTERIOSCLEROSIS (440) | 25 | 28 | | | | | | | | | | | | | | | | | | | | |
| OTHER CIRCULATORY (441-459) | 30 | 29 | | | | | | | | | | | | | | | 1 | | | 1 | | |
| INFLUENZA/PNEUMONIA (480-487) | 126 | 97 | | 1 | 2 | 1 | | | | | | 1 | 2 | 1 | | | | 1 | 1 | | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 39 | 16 | | | | | | | | 1 | 1 | | | | | | 1 | | | 1 | | |
| PEPTIC ULCER (531-533) | 13 | 8 | | | | | | | | | | | | | | | | | | | | |
| CIRRHOSIS OF LIVER (571) | 57 | 17 | | | | | | | | | | | | | | | | | | | 1 | |
| NEPHRITIS AND NEPHROSIS (580-589) | 28 | 27 | 1 | 1 | | 1 | | | | | | | | | 1 | | | | | | 1 | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | 2 | | | | | | | | | | | | | | | | | | 1 | | |
| CONGENITAL ANOMALIES (740-759) | 40 | 45 | 32 | 36 | 1 | 3 | 1 | | | 1 | 1 | | | | | 1 | 1 | | 2 | | | |
| PERINATAL CONDITIONS (760-779) | 45 | 31 | 44 | 31 | 1 | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 31 | 18 | 13 | 6 | | 1 | | | | | | | | | | 1 | 2 | | 2 | 2 | 3 | |
| ALL OTHER DISEASES (BLANKS,000-799) | 336 | 282 | 6 | 6 | 2 | 3 | 2 | 2 | 1 | 1 | | 1 | 1 | 1 | 6 | 3 | 2 | 4 | 9 | 6 | 7 | 1 |
| ACCIDENTAL DEATHS (800-949) | 170 | 56 | 1 | | 5 | 4 | 2 | | 2 | | 8 | 1 | 10 | 3 | 27 | 5 | 23 | 2 | 13 | 7 | 15 | 1 |
| MOTOR VEHICLE (810-825) | 96 | 40 | | | 2 | 2 | 1 | | | | 5 | 1 | 9 | 3 | 20 | 5 | 18 | 1 | 10 | 6 | 6 | 1 |
| OTHER TRANS. (800-807,826-848) | 7 | 1 | | | | | | | | | | | | | 3 | | 3 | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | 15 | 10 | | | | 1 | | | | | 1 | | | | | | | | 1 | 1 | | |
| FIRES (890-899) | 6 | 1 | | | | | 1 | | | | | | | | | | | | 2 | | 1 | |
| DROWNING & SUBMERSIONS (910) | 26 | 3 | | | 3 | 1 | | | 1 | | 2 | | 1 | | 2 | | 2 | 1 | | | 6 | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 20 | 1 | 1 | | | | | | 1 | | | | | | 2 | | | | | | 2 | |
| SUICIDE. (950-959) | 94 | 26 | | | | | | | 1 | 1 | 5 | 2 | 2 | | 18 | 1 | 10 | 3 | 8 | 2 | 15 | 2 |
| HOMICIDE & LEGAL INTERVENTION (960-978) | 17 | 11 | 1 | | | | | | | | 1 | | 1 | 1 | 1 | 2 | 4 | 2 | 3 | 1 | 3 | 1 |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | 29 | 5 | 1 | | | | 1 | | | | 1 | 1 | | | 4 | 1 | 8 | | 4 | | 4 | 1 |

TABLE 34A (CONT'D)

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
STATE OF HAWAII 1984

| UNKNOWN SEX IN MALE CATEG. | 40-44 YRS. | | 45-49 YRS. | | 50-54 YRS. | | 55-59 YRS. | | 60-64 YRS. | | 65-69 YRS. | | 70-74 YRS. | | 75-79 YRS. | | 80-84 YRS. | | OVER 84 | | UN-KNOWN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 71 | 38 | 85 | 55 | 141 | 87 | 243 | 142 | 328 | 189 | 386 | 213 | 433 | 246 | 435 | 243 | 337 | 287 | 438 | 550 | | |
| TUBERCULOSIS, ALL FORMS (010-018,137) | | | 1 | | 1 | | 1 | | 1 | 1 | 1 | | 1 | | | 3 | | | | 2 | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | 1 | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 2 | | 1 | | 4 | 1 | 3 | 1 | 4 | 3 | 6 | 1 | 1 | 3 | 5 | | 5 | 4 | 4 | 4 | | |
| MALIGNANT NEOPLASM (140-208) | 17 | 17 | 22 | 24 | 53 | 40 | 84 | 52 | 123 | 76 | 127 | 74 | 136 | 63 | 113 | 57 | 60 | 49 | 57 | 60 | | |
| DIGEST. ORGANS (150-159) | 8 | 2 | 8 | 4 | 14 | 8 | 33 | 14 | 44 | 19 | 51 | 21 | 34 | 20 | 37 | 24 | 31 | 19 | 14 | 36 | | |
| RESPIRATORY SYSTEM (160-163) | 3 | 1 | 7 | 9 | 14 | 11 | 27 | 12 | 47 | 20 | 47 | 14 | 50 | 14 | 40 | 12 | 6 | 10 | 15 | 4 | | |
| BREAST (174-175) | | 10 | | 4 | | 9 | | 7 | | 8 | | 10 | | 9 | | 7 | 1 | 5 | | 3 | | |
| GENITAL ORGANS (179-187) | | 2 | | 5 | 1 | 3 | 4 | 7 | 6 | 13 | 4 | 10 | 15 | 9 | 13 | 6 | 10 | 5 | 12 | 2 | | |
| URINARY ORGANS (188-189) | 2 | | | | 2 | 2 | 2 | | 5 | 1 | 6 | 4 | 5 | 1 | 4 | | 1 | 3 | 6 | 4 | | |
| LEUKEMIA (204-208) | | 1 | 2 | | 5 | 1 | 5 | 2 | 3 | 2 | 1 | 3 | 5 | 2 | 4 | 1 | 1 | | 1 | 3 | | |
| OTHER (140-208) | 4 | 1 | 5 | 2 | 17 | 6 | 13 | 10 | 18 | 13 | 18 | 12 | 27 | 8 | 15 | 7 | 10 | 7 | 9 | 8 | | |
| DIABETES MELLITUS (250) | | 1 | | 1 | 4 | 2 | 5 | 4 | 8 | 5 | 10 | 9 | 12 | 15 | 10 | 11 | 10 | 9 | 8 | 19 | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 24 | 7 | 38 | 13 | 46 | 32 | 109 | 56 | 131 | 71 | 165 | 92 | 193 | 113 | 208 | 112 | 179 | 149 | 230 | 319 | | |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 19 | 5 | 28 | 9 | 38 | 22 | 92 | 43 | 113 | 58 | 140 | 64 | 144 | 88 | 156 | 78 | 139 | 105 | 172 | 230 | | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | | | 2 | | | 1 | | | | | |
| HYPERTENSIVE HEART (402,404) | | 1 | | | | 1 | 1 | 3 | 2 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 13 | | |
| ISCHEMIC HEART (410-414) | 12 | 2 | 20 | 4 | 22 | 13 | 65 | 24 | 79 | 34 | 86 | 32 | 103 | 52 | 110 | 43 | 90 | 70 | 118 | 135 | | |
| OTHER HEART DISEASE (415-417,420-429) | 6 | 1 | 7 | 5 | 16 | 8 | 26 | 16 | 31 | 22 | 51 | 28 | 37 | 30 | 42 | 31 | 44 | 33 | 52 | 82 | | |
| HYPERTENSION (401,403) | | 1 | | | 1 | | 1 | 1 | | | | 1 | 5 | | 1 | 1 | 1 | | 4 | | | |
| CEREBROVASCULAR DISEASE (430-438) | 5 | 1 | 7 | 4 | 7 | 9 | 14 | 8 | 13 | 11 | 20 | 21 | 37 | 18 | 41 | 26 | 31 | 37 | 40 | 67 | | |
| ARTERIOSCLEROSIS (440) | | | | | | | | 1 | | | 1 | 2 | 2 | 2 | 5 | 4 | 5 | 5 | 12 | 14 | | |
| OTHER CIRCULATORY (441-459) | | | 3 | | | 1 | 2 | 3 | 5 | 2 | 4 | 4 | 5 | 5 | 5 | 3 | 3 | 2 | 2 | 8 | | |
| INFLUENZA/PNEUMONIA (480-487) | 2 | | | | | 1 | 4 | | 6 | 3 | 14 | 3 | 14 | 7 | 20 | 8 | 20 | 14 | 41 | 56 | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 1 | | | 1 | 2 | 1 | 3 | | 4 | | 7 | 2 | 3 | 1 | 5 | 3 | 4 | 5 | 8 | 1 | | |
| PEPTIC ULCER (531-533) | | | | | 1 | | 2 | 2 | 3 | 1 | 2 | | | 1 | 2 | 1 | 1 | | 2 | 3 | | |
| CIRRHOSIS OF LIVER (571) | 3 | | 4 | | 8 | | 7 | 4 | 6 | 2 | 12 | 5 | 8 | 2 | 5 | | 2 | 3 | 1 | 1 | | |
| NEPHRITIS AND NEPHROSIS (580-589) | | | | | 1 | | 1 | | 1 | 1 | 1 | 3 | 4 | 3 | 3 | 6 | 5 | 6 | 9 | 6 | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | 1 | | | | |
| CONGENITAL ANOMALIES (740-759) | | | | 2 | | | | | | 1 | 1 | | 1 | | | 1 | | | | | | |
| PERINATAL CONDITIONS (760-779) | | | | | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 1 | 1 | 1 | 1 | 1 | | | 1 | | | | | 2 | | 1 | | 1 | 1 | 4 | 4 | | |
| ALL OTHER DISEASES (BLANKS,000-799) | 7 | 5 | 4 | 7 | 11 | 6 | 17 | 14 | 31 | 21 | 26 | 18 | 30 | 32 | 52 | 37 | 44 | 44 | 58 | 68 | | |
| ACCIDENTAL DEATHS (800-949) | 6 | 4 | 7 | 3 | 5 | 3 | 6 | 1 | 6 | 4 | 7 | 3 | 6 | 4 | 7 | 4 | 3 | 2 | 11 | 5 | | |
| MOTOR VEHICLE (810-825) | 3 | 3 | 3 | 3 | 4 | 3 | 2 | | 1 | 4 | 4 | 2 | 2 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | | |
| OTHER TRANS. (800-807,826-848) | | 1 | | | | | 1 | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | 1 | | 1 | | | | | | | | 3 | 1 | 1 | | | 2 | 1 | 1 | 6 | 4 | | |
| FIRES (890-899) | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | 1 | | 1 | | | | | | 3 | | | | 1 | 1 | 1 | | 1 | | 1 | | | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 1 | | 2 | | 1 | | 2 | | 2 | | | | 1 | | 2 | 1 | | | 3 | | | |
| SUICIDE (950-959) | 8 | 2 | 4 | 2 | 3 | 1 | 1 | 4 | 3 | | 4 | 3 | 2 | 2 | 3 | | 2 | | 5 | 1 | | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | | 1 | 1 | 1 | 1 | | | 2 | | | 1 | | | | | | | | | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | | | 2 | | | | | 1 | 1 | | 1 | | | | 1 | | 1 | | | 1 | | |

TABLE 34B

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
HONOLULU COUNTY 1984

| CAUSES OF DEATH | ALL AGES | | UNDER 1 YR. | | 1-4 YRS. | | 5-9 YRS. | | 10-14 YRS. | | 15-17 YRS. | | 18-19 YRS. | | 20-24 YRS. | | 25-29 YRS. | | 30-34 YRS. | | 35-39 YRS. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNKNOWN SEX IN MALE CATEG. | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 2411 | 1711 | 76 | 65 | 9 | 9 | 5 | 2 | 7 | 6 | 17 | 3 | 11 | 4 | 53 | 14 | 46 | 12 | 31 | 20 | 47 | 17 |
| TUBERCULOSIS, ALL FORMS (010-018,137) | 2 | 5 | | | | | | | | | | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | 1 | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 29 | 16 | 1 | | | | | | | 1 | 1 | | | | 1 | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 610 | 409 | | | 1 | | 2 | 1 | 2 | 1 | 2 | | | | 4 | 2 | 2 | 4 | 2 | | 7 | 9 |
| DIGEST. ORGANS (150-159) | 207 | 125 | | | | | | | 1 | | 1 | | | | | 1 | | | 2 | | 4 | 2 |
| RESPIRATORY SYSTEM (160-163) | 203 | 86 | | | | | | | | | | | | | | | | 1 | | | | 1 |
| BREAST (174-175) | 1 | 62 | | | | | | | | | | | | | | | | | | | | 3 |
| GENITAL ORGANS (179-187) | 46 | 44 | | | | | | | | | | | | | 1 | | 1 | | | | | |
| URINARY ORGANS (188-189) | 25 | 10 | | | | | | | | | | | | | | | | | | | | |
| LEUKEMIA (204-208) | 25 | 19 | | | | | 1 | 1 | | 1 | 1 | | | | 2 | | | 1 | | | 1 | 2 |
| OTHER (140-208) | 103 | 63 | | | 1 | | 1 | | 1 | | | | | | 1 | 1 | 1 | 2 | | | 2 | 1 |
| DIABETES MELLITUS (250) | 53 | 59 | | | | | | | 1 | | | | | 1 | | | | | | 2 | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 955 | 743 | 1 | 1 | | | | | | 1 | | | | | 3 | 2 | 6 | 1 | 1 | 3 | 7 | 3 |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 749 | 543 | 1 | | | | | | | 1 | | | | | 2 | 2 | 4 | 1 | 1 | | 4 | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 4 | 4 | | | | | | | | | | | | | | 1 | | | | | | |
| HYPERTENSIVE HEART (402,404) | 13 | 25 | | | | | | | | | | | | | | | | | | | | |
| ISCHEMIC HEART (410-414) | 489 | 320 | | | | | | | | | | | | | | | | | | | 1 | |
| OTHER HEART DISEASE (415-417,420-429) | 243 | 194 | 1 | | | | | | | 1 | | | | | 2 | 1 | 4 | 1 | 1 | | 3 | |
| HYPERTENSION (401,403) | 11 | 4 | | | | | | | | | | | | | | | | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 157 | 158 | | 1 | | | | | | | | | | | 1 | | 1 | | | 2 | 3 | 3 |
| ARTERIOSCLEROSIS (440) | 15 | 20 | | | | | | | | | | | | | | | | | | | | |
| OTHER CIRCULATORY (441-459) | 23 | 18 | | | | | | | | | | | | | | | 1 | | | 1 | | |
| INFLUENZA/PNEUMONIA (480-487) | 100 | 79 | | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 32 | 12 | | | | | | | | 1 | | | | | | | 1 | | | 1 | | |
| PEPTIC ULCER (531-533) | 7 | 5 | | | | | | | | | | | | | | | | | | | | |
| CIRRHOSIS OF LIVER (571) | 38 | 15 | | | | | | | | | | | | | | | | | | | 1 | |
| NEPHRITIS AND NEPHROSIS (580-589) | 17 | 18 | 1 | | | 1 | | | | | | | | | 1 | | | | | | 1 | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | 2 | | | | | | | | | | | | | | | | | | 1 | | |
| CONGENITAL ANOMALIES (740-759) | 31 | 33 | 25 | 27 | | 1 | | | | 1 | 1 | | | | | 1 | 1 | | 2 | | | |
| PERINATAL CONDITIONS (760-779) | 31 | 24 | 30 | 24 | 1 | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 25 | 14 | 11 | 5 | | 1 | | | | | | | | | | 1 | 2 | | 2 | 1 | 3 | |
| ALL OTHER DISEASES (BLANKS,000-799) | 252 | 212 | 4 | 7 | 2 | 2 | 1 | 1 | 1 | | | | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 5 | 6 | 1 |
| ACCIDENTAL DEATHS (800-949) | 123 | 32 | 1 | | 4 | 3 | 2 | | 2 | | 7 | | 7 | 1 | 22 | 3 | 14 | | 5 | 4 | 9 | |
| MOTOR VEHICLE (810-825) | 69 | 24 | | | 2 | 2 | 1 | | | | 5 | | 6 | 1 | 16 | 3 | 12 | | 6 | 4 | 4 | |
| OTHER TRANS. (800-807,826-848) | 6 | 1 | | | | | | | | | | | | | 3 | | 2 | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | 12 | 6 | | | | 1 | | | | | 1 | | | | | | | | | | | |
| FIRES (890-899) | 6 | 1 | | | | | 1 | | | | | | | | | | | | 2 | | 1 | |
| DROWNING & SUBMERSIONS (910) | 16 | | | | 2 | | | | 1 | | 1 | | 1 | | 1 | | | | | | 3 | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 14 | | 1 | | | | | | 1 | | | | | | 2 | | | | | | 1 | |
| SUICIDE (950-959) | 74 | 20 | | | | | | | 1 | 1 | 5 | 1 | 1 | | 15 | 1 | 9 | 2 | 5 | 2 | 10 | 2 |
| HOMICIDE & LEGAL INTERVENTION (960-978) | 12 | 8 | 1 | | | | | | | | 1 | | 1 | | | 1 | 3 | 1 | 2 | 1 | 2 | 1 |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | 19 | 5 | 1 | | | | | | | | | 1 | | | 4 | 1 | 6 | | 1 | | 1 | 1 |

TABLE 34B (CONT'D)

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
HONOLULU COUNTY 1984

| UNKNOWN SEX IN MALE CATEG. | 40-44 YRS. | | 45-49 YRS. | | 50-54 YRS. | | 55-59 YRS. | | 60-64 YRS. | | 65-69 YRS. | | 70-74 YRS. | | 75-79 YRS. | | 80-84 YRS. | | OVER 84 | | UN-KNOWN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 58 | 31 | 68 | 42 | 111 | 65 | 196 | 100 | 234 | 147 | 280 | 161 | 320 | 186 | 315 | 191 | 223 | 216 | 304 | 420 | | |
| TUBERCULOSIS, ALL FORMS (010-018,137) | | | | | | | 1 | | 1 | 1 | | | | | | 2 | | | | 2 | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | 1 | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 2 | | 1 | | 3 | 1 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 2 | | 4 | 4 | 4 | 3 | | |
| MALIGNANT NEOPLASM (140-208) | 15 | 13 | 17 | 21 | 42 | 33 | 65 | 42 | 92 | 56 | 79 | 55 | 105 | 43 | 88 | 46 | 40 | 37 | 45 | 46 | | |
| DIGEST. ORGANS (150-159) | 7 | 1 | 7 | 3 | 10 | 7 | 25 | 11 | 35 | 12 | 28 | 18 | 30 | 14 | 28 | 19 | 18 | 13 | 11 | 24 | | |
| RESPIRATORY SYSTEM (160-163) | 3 | 1 | 5 | 8 | 12 | 9 | 22 | 11 | 35 | 14 | 34 | 9 | 43 | 9 | 33 | 11 | 5 | 9 | 11 | 3 | | |
| BREAST (174-175) | | 8 | | 4 | | 7 | | 6 | | 8 | | 7 | | 6 | | 5 | 1 | 5 | | 3 | | |
| GENITAL ORGANS (179-187) | | 1 | | 4 | 1 | 3 | 3 | 5 | 3 | 9 | 1 | 8 | 11 | 4 | 9 | 5 | 8 | 3 | 8 | 2 | | |
| URINARY ORGANS (188-189) | 2 | | | | 1 | 2 | 2 | | 4 | | 4 | 2 | 3 | | 3 | | | 2 | 6 | 4 | | |
| LEUKEMIA (204-208) | | 1 | 2 | | 4 | 1 | 3 | 1 | 3 | 2 | | 3 | 3 | 2 | 3 | 1 | 1 | | 1 | 3 | | |
| OTHER (140-208) | 3 | 1 | 3 | 2 | 14 | 4 | 10 | 8 | 12 | 11 | 12 | 8 | 15 | 8 | 12 | 5 | 7 | 5 | 8 | 7 | | |
| DIABETES MELLITUS (250) | | 1 | | 1 | 3 | 1 | 3 | 3 | 6 | 5 | 10 | 8 | 7 | 10 | 8 | 7 | 8 | 8 | 7 | 14 | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 19 | 6 | 32 | 12 | 38 | 23 | 91 | 37 | 90 | 54 | 125 | 67 | 138 | 93 | 142 | 88 | 113 | 111 | 149 | 241 | | |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 17 | 5 | 24 | 8 | 34 | 17 | 78 | 28 | 79 | 46 | 104 | 46 | 97 | 76 | 104 | 60 | 87 | 82 | 113 | 171 | | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 1 | 1 | 1 | | | | | | 1 | 1 | | | | 1 | | | 1 | | | | | |
| HYPERTENSIVE HEART (402,404) | | 1 | | | | 1 | 1 | 2 | 2 | 1 | 2 | 4 | 2 | 3 | 2 | 2 | 3 | 2 | 1 | 9 | | |
| ISCHEMIC HEART (410-414) | 10 | 2 | 16 | 4 | 19 | 9 | 52 | 15 | 51 | 24 | 63 | 23 | 72 | 48 | 70 | 32 | 57 | 56 | 78 | 107 | | |
| OTHER HEART DISEASE (415-417,420-429) | 6 | 1 | 7 | 4 | 15 | 7 | 25 | 11 | 25 | 20 | 39 | 19 | 23 | 24 | 32 | 26 | 26 | 24 | 34 | 55 | | |
| HYPERTENSION (401,403) | | 1 | | | | | 1 | 1 | | | | 1 | 5 | | 1 | 1 | | | 4 | | | |
| CEREBROVASCULAR DISEASE (430-438) | 2 | | 5 | 4 | 4 | 5 | 10 | 6 | 10 | 6 | 17 | 16 | 29 | 14 | 27 | 21 | 22 | 27 | 26 | 53 | | |
| ARTERIOSCLEROSIS (440) | | | | | | | | | | | 1 | 2 | 2 | 1 | 5 | 4 | 2 | 1 | 5 | 12 | | |
| OTHER CIRCULATORY (441-459) | | | 3 | | | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 5 | 2 | 5 | 2 | 2 | 1 | 1 | 5 | | |
| INFLUENZA/PNEUMONIA (480-487) | 2 | | | | | | 3 | | 6 | 3 | 11 | 3 | 11 | 5 | 13 | 6 | 16 | 13 | 35 | 44 | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 1 | | | | 2 | | 3 | | 4 | | 6 | 1 | 2 | 1 | 4 | 2 | 3 | 5 | 6 | 1 | | |
| PEPTIC ULCER (531-533) | | | | | 1 | | 2 | 1 | 1 | 1 | 2 | | | 1 | | 1 | | | 1 | 1 | | |
| CIRRHOSIS OF LIVER (571) | 2 | | 2 | | 5 | | 4 | 3 | 1 | 2 | 11 | 5 | 5 | 2 | 5 | | 2 | 2 | | 1 | | |
| NEPHRITIS AND NEPHROSIS (580-589) | | | | | | | 1 | | | 1 | | 1 | 2 | 1 | 1 | 3 | 4 | 5 | 6 | 6 | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | 1 | | | | |
| CONGENITAL ANOMALIES (740-759) | | | | 1 | | | | | | 4 | 1 | | 1 | | | 1 | | | | | | |
| PERINATAL CONDITIONS (760-779) | | | | | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 1 | 1 | 1 | 1 | 1 | | | 1 | | | | | 1 | | 1 | | 1 | 1 | 1 | 2 | | |
| ALL OTHER DISEASES (BLANKS,000-799) | 7 | 3 | 3 | 4 | 8 | 5 | 14 | 8 | 22 | 16 | 20 | 13 | 41 | 24 | 44 | 32 | 27 | 30 | 39 | 55 | | |
| ACCIDENTAL DEATHS (800-949) | 3 | 4 | 5 | 11 | 4 | 1 | 5 | 1 | 5 | 4 | 6 | 2 | 5 | 2 | 4 | 3 | 2 | 1 | 8 | 2 | | |
| MOTOR VEHICLE (810-825) | 1 | 3 | 3 | 1 | 3 | 1 | 2 | | 1 | 4 | 3 | 1 | 2 | 2 | 2 | 1 | | 1 | | | | |
| OTHER TRANS. (800-807,826-848) | | 1 | | | | | 1 | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | 1 | | 1 | | | | | | | | 3 | 1 | | | | 2 | 1 | | 5 | 2 | | |
| FIRES (890-899) | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | 1 | | | | | | | | 2 | | | | 1 | | 1 | | 1 | | 1 | | | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | | | 1 | | 1 | | 1 | | 2 | | | | 1 | | 1 | | | | 2 | | | |
| SUICIDE (950-959) | 6 | 2 | 4 | | 3 | 1 | 1 | 2 | 2 | | 4 | 3 | 1 | 2 | 2 | | 2 | | 5 | 1 | | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | | 1 | 1 | 1 | 1 | | | 2 | | | | | | | | | | | | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | | | 2 | | | | | 1 | 1 | | 1 | | | | 1 | | 1 | | | 1 | | |

TABLE 34C

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
HAWAII COUNTY 1984

| CAUSES OF DEATH | ALL AGES | | UNDER 1 YR. | | 1-4 YRS. | | 5-9 YRS. | | 10-14 YRS. | | 15-17 YRS. | | 18-19 YRS. | | 20-24 YRS. | | 25-29 YRS. | | 30-34 YRS. | | 35-39 YRS. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNKNOWN SEX IN MALE CATEG. | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 430 | 277 | 14 | 9 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 6 | 4 | 9 | 2 | 8 | 4 | 11 | |
| TUBERCULOSIS, ALL FORMS (010-018,137) | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 1 | | | | | | | | | | | | | | | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 102 | 54 | | | | | | 1 | | | | | | | 1 | | | | | | | |
| DIGEST. ORGANS (150-159) | 43 | 22 | | | | | | | | | | | | | | | | | | | | |
| RESPIRATORY SYSTEM (160-163) | 21 | 10 | | | | | | | | | | | | | | | | | | | | |
| BREAST (174-175) | | 3 | | | | | | | | | | | | | | | | | | | | |
| GENITAL ORGANS (179-187) | 15 | 6 | | | | | | | | | | | | | 1 | | | | | | | |
| URINARY ORGANS (188-189) | 3 | 4 | | | | | | | | | | | | | | | | | | | | |
| LEUKEMIA (204-208) | 3 | 1 | | | | | | | | | | | | | | | | | | | | |
| OTHER (140-208) | 17 | 8 | | | | | | 1 | | | | | | | | | | | | | | |
| DIABETES MELLITUS (250) | 11 | 8 | | | | | | | | | | | | | | | | | | | 1 | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 196 | 133 | | | | | | | 1 | | | | | | | | 2 | | 1 | 1 | 3 | |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 154 | 92 | | | | | | | | | | | | | | | 2 | | 1 | 1 | 2 | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 1 | 1 | | | | | | | | | | | | | | | 1 | | | | | |
| HYPERTENSIVE HEART (402,404) | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| ISCHEMIC HEART (410-414) | 121 | 57 | | | | | | | | | | | | | | | | | 1 | | 2 | |
| OTHER HEART DISEASE (415-417,420-429) | 31 | 33 | | | | | | | | | | | | | | | 1 | | | 1 | | |
| HYPERTENSION (401,403) | 2 | | | | | | | | | | | | | | | | | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 30 | 28 | | | | | | | 1 | | | | | | | | | | | | 1 | |
| ARTERIOSCLEROSIS (440) | 5 | 7 | | | | | | | | | | | | | | | | | | | | |
| OTHER CIRCULATORY (441-459) | 5 | 6 | | | | | | | | | | | | | | | | | | | | |
| INFLUENZA/PNEUMONIA (480-487) | 13 | 11 | | | 1 | | | | | | | | | | | | | | | | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| PEPTIC ULCER (531-533) | 1 | 2 | | | | | | | | | | | | | | | | | | | | |
| CIRRHOSIS OF LIVER (571) | 8 | 1 | | | | | | | | | | | | | | | | | | | | |
| NEPHRITIS AND NEPHROSIS (580-589) | 4 | 4 | | 1 | | | | | | | | | | | | | | | | | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | | | | | |
| CONGENITAL ANOMALIES (740-759) | 5 | 4 | 4 | 3 | 1 | 1 | | | | | | | | | | | | | | | | |
| PERINATAL CONDITIONS (760-779) | 7 | 4 | 7 | 4 | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 4 | 3 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| ALL OTHER DISEASES (BLANKS,000-799) | 35 | 34 | 2 | | | 1 | 1 | | | 1 | | | | | | 1 | | 1 | 1 | 1 | 1 | |
| ACCIDENTAL DEATHS (800-949) | 24 | 12 | | | | | | | | | | 1 | 1 | 1 | 4 | 2 | 5 | 1 | 3 | 2 | 3 | |
| MOTOR VEHICLE (810-825) | 13 | 9 | | | | | | | | | | 1 | 1 | 1 | 3 | 2 | 2 | 1 | 3 | 1 | 1 | |
| OTHER TRANS. (800-807,826-848) | 1 | | | | | | | | | | | | | | | | 1 | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | 2 | 2 | | | | | | | | | | | | | | | | | | 1 | | |
| FIRES (890-899) | | | | | | | | | | | | | | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | 4 | | | | | | | | | | | | | | 1 | | 2 | | | | 1 | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 4 | 1 | | | | | | | | | | | | | | | | | | | 1 | |
| SUICIDE (950-959) | 9 | 4 | | | | | | | | | | 1 | | | | | 1 | | 1 | | 2 | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | 2 | 1 | | | | | | | | | | | | | 1 | 1 | | | 1 | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | 5 | | | | | | 1 | | | | 1 | | | | | | 1 | | 1 | | 1 | |

TABLE 34C (CONT'D)

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
HAWAII COUNTY 1984

| UNKNOWN SEX IN MALE CATEG. | 40-44 YRS. | | 45-49 YRS. | | 50-54 YRS. | | 55-59 YRS. | | 60-64 YRS. | | 65-69 YRS. | | 70-74 YRS. | | 75-79 YRS. | | 80-84 YRS. | | OVER 84 | | UN-KNOWN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 4 | 2 | 6 | 6 | 13 | 12 | 21 | 25 | 49 | 24 | 54 | 21 | 60 | 33 | 65 | 26 | 51 | 38 | 52 | 64 | | |
| TUBERCULOSIS, ALL FORMS (010-018,137) | | | | | | | | | | | | | 1 | | | 1 | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | | | | | | | | | | | 1 | | | | | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 1 | 1 | 1 | 2 | 5 | 4 | 8 | 5 | 16 | 9 | 25 | 8 | 15 | 7 | 15 | 4 | 11 | 7 | 4 | 6 | | |
| DIGEST. ORGANS (150-159) | 1 | 1 | | 1 | 3 | | 5 | 3 | 4 | 2 | 14 | 2 | 3 | 3 | 6 | 2 | 6 | 3 | 1 | 5 | | |
| RESPIRATORY SYSTEM (160-163) | | | 1 | | | 1 | 1 | | 6 | 4 | 5 | 2 | 4 | 1 | 3 | | | 1 | 1 | 1 | | |
| BREAST (174-175) | | | | | | 1 | | | | | | | | | | 2 | | | | | | |
| GENITAL ORGANS (179-187) | | | | 1 | | | | | 3 | 1 | 1 | 1 | 3 | 2 | 3 | | 2 | 1 | 2 | | | |
| URINARY ORGANS (188-189) | | | | | | | | | 1 | | 1 | 2 | | 1 | 1 | | | 1 | | | | |
| LEUKEMIA (204-208) | | | | | 1 | | 1 | 1 | | | | | | | 1 | | | | | | | |
| OTHER (140-208) | | | | | 1 | 2 | 1 | 1 | 2 | 2 | 4 | 1 | 5 | | 1 | | 3 | 1 | | | | |
| DIABETES MELLITUS (250) | | | | | | 1 | 1 | 1 | 1 | | | | 3 | 2 | 2 | 2 | 2 | 2 | 1 | | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 1 | 1 | 2 | 1 | 4 | 5 | 9 | 14 | 23 | 12 | 22 | 13 | 30 | 15 | 39 | 10 | 26 | 22 | 33 | 39 | | |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 1 | | 2 | 1 | 2 | 2 | 7 | 11 | 18 | 9 | 20 | 9 | 26 | 9 | 30 | 8 | 20 | 15 | 23 | 27 | | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | | | | | | | | | | | | | | 1 | | | | | | | | |
| HYPERTENSIVE HEART (402,404) | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| ISCHEMIC HEART (410-414) | 1 | | 2 | | 1 | 2 | 6 | 7 | 14 | 7 | 14 | 5 | 19 | 3 | 27 | 6 | 15 | 11 | 19 | 16 | | |
| OTHER HEART DISEASE (415-417,420-429) | | | | 1 | 1 | | 1 | 3 | 4 | 2 | 6 | 4 | 6 | 5 | 3 | 2 | 5 | 4 | 4 | 11 | | |
| HYPERTENSION (401,403) | | | | | 1 | | | | | | | | | | | | 1 | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | | 1 | | | 1 | 3 | 2 | 2 | 1 | 3 | 1 | 3 | 4 | 2 | 9 | 2 | 4 | 4 | 6 | 8 | | |
| ARTERIOSCLEROSIS (440) | | | | | | | | 1 | | | | | | 1 | | | 1 | 3 | 4 | 2 | | |
| OTHER CIRCULATORY (441-459) | | | | | | | | | 4 | | 1 | 1 | | 3 | | | | | | 2 | | |
| INFLUENZA/PNEUMONIA (480-487) | | | | | | | 1 | | | | 2 | | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 7 | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | |
| PEPTIC ULCER (531-533) | | | | | | | | | 1 | | | | | | | | | | | 2 | | |
| CIRRHOSIS OF LIVER (571) | | | 2 | | 2 | | 1 | | 2 | | | | 1 | | | | | 1 | | | | |
| NEPHRITIS AND NEPHROSIS (580-589) | | | | | | | | | 1 | | | | 1 | 1 | | 2 | 1 | | 1 | | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | | | | | |
| CONGENITAL ANOMALIES (740-759) | | | | | | | | | | | | | | | | | | | | | | |
| PERINATAL CONDITIONS (760-779) | | | | | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | | | | | | | | | | | | | 1 | | | | | | 2 | 2 | | |
| ALL OTHER DISEASES (BLANKS,000-799) | | | | 1 | 1 | | | 3 | 4 | 3 | 4 | | 4 | 6 | 4 | 4 | 8 | 4 | 5 | 8 | | |
| ACCIDENTAL DEATHS (800-949) | | | 1 | 1 | 1 | 2 | 1 | | | | | | 1 | | 1 | 1 | 1 | 1 | 2 | | | |
| MOTOR VEHICLE (810-825) | | | | 1 | 1 | 2 | | | | | | | | | 1 | | 1 | | | | | |
| OTHER TRANS. (800-807,826-848) | | | | | | | | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | | | | | | | | | | | | | 1 | | | | | 1 | 1 | | | |
| FIRES (890-899) | | | | | | | | | | | | | | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | | | | | | | | | | | | | | | | | | | | | | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | | | 1 | | | | 1 | | | | | | | | | 1 | | | 1 | | | |
| SUICIDE (950-959) | 2 | | | 1 | | | | 2 | 1 | | | | | | 1 | | | | 1 | | | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | | | | | | | | | | | | | | | | | | | | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | | | | | | | | | | | | | | | | | | | | | | |

TABLE 34D

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
KAUAI COUNTY 1984

| CAUSES OF DEATH | ALL AGES | | UNDER 1 YR. | | 1-4 YRS. | | 5-9 YRS. | | 10-14 YRS. | | 15-17 YRS. | | 18-19 YRS. | | 20-24 YRS. | | 25-29 YRS. | | 30-34 YRS. | | 35-39 YRS. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNKNOWN SEX IN MALE CATEG. | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 155 | 117 | 1 | 6 | | 2 | 1 | | | | 2 | 1 | 1 | 1 | 2 | | 1 | 3 | 2 | 1 | 4 | 3 |
| TUBERCULOSIS, ALL FORMS (010-018,137) | 1 | | | | | | | | | | | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | | 2 | | | | | | | | | | | | | | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 32 | 33 | | | | | | | | | 1 | | | | | | | 1 | | | | 1 |
| DIGEST. ORGANS (150-159) | 10 | 14 | | | | | | | | | | | | | | | | | | | | 1 |
| RESPIRATORY SYSTEM (160-163) | 8 | 2 | | | | | | | | | | | | | | | | | | | | |
| BREAST (174-175) | | 7 | | | | | | | | | | | | | | | | | | | | |
| GENITAL ORGANS (179-187) | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| URINARY ORGANS (188-189) | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| LEUKEMIA (204-208) | 2 | | | | | | | | | | | | | | | | | | | | | |
| OTHER (140-208) | 7 | 6 | | | | | | | | | 1 | | | | | | | 1 | | | | 1 |
| DIABETES MELLITUS (250) | 1 | 3 | | | | | | | | | | | | | | | | | | | | 1 |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 74 | 42 | | | | 1 | | | | | | | | | | | | | 1 | | 1 | 1 |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 62 | 32 | | | | 1 | | | | | | | | | | | | | | | 1 | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | | | | | | | | | | | | | | | | | | | | | | |
| HYPERTENSIVE HEART (402,404) | 5 | 4 | | | | | | | | | | | | | | | | | | | | |
| ISCHEMIC HEART (410-414) | 33 | 15 | | | | | | | | | | | | | | | | | | | | |
| OTHER HEART DISEASE (415-417,420-429) | 24 | 13 | | | | 1 | | | | | | | | | | | | | | | 1 | |
| HYPERTENSION (401,403) | | | | | | | | | | | | | | | | | | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 10 | 8 | | | | | | | | | | | | | | | | | 1 | | | 1 |
| ARTERIOSCLEROSIS (440) | 1 | | | | | | | | | | | | | | | | | | | | | |
| OTHER CIRCULATORY (441-459) | 1 | 2 | | | | | | | | | | | | | | | | | | | | |
| INFLUENZA/PNEUMONIA (480-487) | 4 | 3 | | | | | | | | | | | | | | | | | | | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 3 | 1 | | | | | | | | | 1 | | | | | | | | | | | |
| PEPTIC ULCER (531-533) | 1 | | | | | | | | | | | | | | | | | | | | | |
| CIRRHOSIS OF LIVER (571) | 3 | 1 | | | | | | | | | | | | | | | | | | | | |
| NEPHRITIS AND NEPHROSIS (580-589) | 4 | 2 | | | | | | | | | | | | | | | | | | | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | | | | | |
| CONGENITAL ANOMALIES (740-759) | 1 | 5 | | 4 | | 1 | 1 | | | | | | | | | | | | | | | |
| PERINATAL CONDITIONS (760-779) | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | | | | | | | | | | | | | | | | | | | | | | |
| ALL OTHER DISEASES (BLANKS,000-799) | 20 | 14 | | 1 | | | | | | | | 1 | | | 1 | | | | | | | |
| ACCIDENTAL DEATHS (800-949) | 6 | 9 | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 2 | |
| MOTOR VEHICLE (810-825) | 2 | 5 | | | | | | | | | | | | 1 | | | 1 | | | 1 | | |
| OTHER TRANS. (800-807,826-848) | | | | | | | | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | 1 | 2 | | | | | | | | | | | | | | | | | 1 | | | |
| FIRES (890-899) | | | | | | | | | | | | | | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | 3 | 2 | | | | | | | | | | | | | | | | 1 | | | 2 | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | | | | | | | | | | | | | | | | | | | | | | |
| SUICIDE (950-959) | 3 | 1 | | | | | | | | | | | 1 | | 1 | | | 1 | | | | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | 1 | | | | | | | | | | | | | | | | | | | | 1 | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | | | | | | | | | | | | | | | | | | | | | | |

TABLE 34D (CONT'D)
RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
KAUAI COUNTY 1984

| UNKNOWN SEX IN MALE CATEG. | 40-44 YRS. | | 45-49 YRS. | | 50-54 YRS. | | 55-59 YRS. | | 60-64 YRS. | | 65-69 YRS. | | 70-74 YRS. | | 75-79 YRS. | | 80-84 YRS. | | OVER 84 | | UN-KNOWN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 2 | 2 | 4 | 2 | 6 | 4 | 6 | 7 | 15 | 11 | 13 | 17 | 18 | 10 | 22 | 6 | 19 | 14 | 36 | 27 | | |
| TUBERCULOSIS, ALL FORMS (010-018,137) | | | 1 | | | | | | | | | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | | | | | | | | | | | | | | 1 | | | | | | 1 | | |
| MALIGNANT NEOPLASM (140-208) | | 2 | 2 | | 1 | 1 | 2 | 2 | 6 | 8 | 5 | 6 | 7 | 3 | 4 | 1 | | 4 | 4 | 4 | | |
| DIGEST. ORGANS (150-159) | | | 1 | | | | 1 | | 1 | 5 | 3 | 1 | 1 | 1 | 2 | | | 3 | 1 | 3 | | |
| RESPIRATORY SYSTEM (160-163) | | | 1 | | | | | | 2 | | 1 | 1 | 2 | 1 | 1 | | | | 1 | | | |
| BREAST (174-175) | | 2 | | | | 1 | | 1 | | | | 2 | | 1 | | | | | | | | |
| GENITAL ORGANS (179-187) | | | | | | | | | | 2 | 1 | 1 | | | | | | | 2 | | | |
| URINARY ORGANS (188-189) | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | |
| LEUKEMIA (204-208) | | | | | | | 1 | | | | | | 1 | | | | | | | | | |
| OTHER (140-208) | | | | | | | | 1 | 3 | | | 1 | 2 | | 1 | 1 | | 1 | | 1 | | |
| DIABETES MELLITUS (250) | | | | | 1 | | | | | | | | | | | | | | | 2 | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 1 | | | | 1 | 2 | 3 | 3 | 7 | 2 | 5 | 7 | 8 | 3 | 13 | 5 | 15 | 4 | 19 | 14 | | |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | | | | | | 1 | 3 | 3 | 7 | 1 | 5 | 6 | 7 | 2 | 11 | 4 | 10 | 2 | 18 | 12 | | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | | | | | | | | | | | | | | | | | | | | | | |
| HYPERTENSIVE HEART (402,404) | | | | | | | | | | | | | 1 | 1 | 2 | 1 | 1 | | 1 | 2 | | |
| ISCHEMIC HEART (410-414) | | | | | | 1 | 3 | 1 | 6 | 1 | 3 | 2 | 2 | 1 | 5 | 2 | 5 | 2 | 9 | 5 | | |
| OTHER HEART DISEASE (415-417,420-429) | | | | | | | | 2 | 1 | | 2 | 4 | 4 | | 4 | 1 | 4 | | 6 | 5 | | |
| HYPERTENSION (401,403) | | | | | | | | | | | | | | | | | | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 1 | | | | 1 | 1 | | | | 1 | | | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 2 | | |
| ARTERIOSCLEROSIS (440) | | | | | | | | | | | | | | | | | 1 | | | | | |
| OTHER CIRCULATORY (441-459) | | | | | | | | | | | | 1 | | | | | 1 | 1 | | | | |
| INFLUENZA/PNEUMONIA (480-487) | | | | | | 1 | | | | | | | | | 1 | | 2 | | 1 | 2 | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | | | | 1 | | | | | | | 1 | | | | | | | | 1 | | | |
| PEPTIC ULCER (531-533) | | | | | | | | | | | | | | | | | | | 1 | | | |
| CIRRHOSIS OF LIVER (571) | | | | | 1 | | | 1 | 1 | | | | | | | | | | 1 | | | |
| NEPHRITIS AND NEPHROSIS (580-589) | | | | | 1 | | | | | | 1 | 1 | | 1 | 1 | | | | 1 | | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | | | | | |
| CONGENITAL ANOMALIES (740-759) | | | | | | | | | | | | | | | | | | | | | | |
| PERINATAL CONDITIONS (760-779) | | | | | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-759) | | | | | | | | | | | | | | | | | | | | | | |
| ALL OTHER DISEASES (BLANKS,000-799) | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | 3 | | 2 | 6 | 6 | 2 | | |
| ACCIDENTAL DEATHS (800-949) | 1 | | 1 | 1 | | | | | | | | 1 | | 2 | | | | | | 2 | | |
| MOTOR VEHICLE (810-825) | 1 | | | 1 | | | | | | | | 1 | | 1 | | | | | | | | |
| OTHER TRANS. (800-807,826-848) | | | | | | | | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | | | | | | | | | | | | | | | | | | | | 2 | | |
| FIRES (890-899) | | | | | | | | | | | | | | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | | | 1 | | | | | | | | | | | 1 | | | | | | | | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | | | | | | | | | | | | | | | | | | | | | | |
| SUICIDE (950-959) | | | | | | | | | | | | | 1 | | | | | | | | | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | | | | | | | | | | | | | | | | | | | | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | | | | | | | | | | | | | | | | | | | | | | |

TABLE 34E

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
MAUI COUNTY 1984

| CAUSES OF DEATH | ALL AGES | | UNDER 1 YR. | | 1-4 YRS. | | 5-9 YRS. | | 10-14 YRS. | | 15-17 YRS. | | 18-19 YRS. | | 20-24 YRS. | | 25-29 YRS. | | 30-34 YRS. | | 35-39 YRS. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNKNOWN SEX IN MALE CATEG. | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 310 | 153 | 11 | 4 | 1 | 1 | | 3 | 1 | | 1 | | 3 | 1 | 7 | | 7 | 1 | 6 | 1 | 6 | 2 |
| TUBERCULOSIS, ALL FORMS (010-018,137) | 2 | | | | | | | | | | | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | 4 | | | | | | | | | | | | | | | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 77 | 38 | | | | | | 2 | 1 | | | | | | 1 | | 2 | | 1 | | | |
| DIGEST. ORGANS (150-159) | 24 | 10 | | | | | | | | | | | | | | | 1 | | 1 | | | |
| RESPIRATORY SYSTEM (160-163) | 24 | 11 | | | | | | | | | | | | | | | | | | | | |
| BREAST (174-175) | | 3 | | | | | | | | | | | | | | | | | | | | |
| GENITAL ORGANS (179-187) | 4 | 9 | | | | | | | | | | | | | | | | | | | | |
| URINARY ORGANS (188-189) | 3 | | | | | | | | | | | | | | | | | | | | | |
| LEUKEMIA (204-208) | 3 | 1 | | | | | | 1 | | | | | | | 1 | | | | | | | |
| OTHER (140-208) | 19 | 4 | | | | | | 1 | 1 | | | | | | | | 1 | | | | | |
| DIABETES MELLITUS (250) | 4 | 10 | | | | | | | | | | | | | | | | | | | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 126 | 61 | 1 | | | | | | | | | | | | 1 | | | | 1 | | | 1 |
| DISEASES OF HEART (390-399,402,404 410-414,415-417,420-429) | 97 | 42 | 1 | | | | | | | | | | | | 1 | | | | 1 | | | 1 |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | 1 | | | | | | | | | | | | | | | | | | | | | |
| HYPERTENSIVE HEART (402,404) | | 3 | | | | | | | | | | | | | | | | | | | | |
| ISCHEMIC HEART (410-414) | 66 | 17 | | | | | | | | | | | | | | | | | | | | |
| OTHER HEART DISEASE (415-417,420-429) | 30 | 22 | 1 | | | | | | | | | | | | 1 | | | | 1 | | | 1 |
| HYPERTENSION (401,403) | | | | | | | | | | | | | | | | | | | | | | |
| CEREBROVASCULAR DISEASE (430-438) | 25 | 15 | | | | | | | | | | | | | | | | | | | | |
| ARTERIOSCLEROSIS (440) | 4 | 1 | | | | | | | | | | | | | | | | | | | | |
| OTHER CIRCULATORY (441-459) | | 3 | | | | | | | | | | | | | | | | | | | | |
| INFLUENZA/PNEUMONIA (480-487) | 9 | 4 | | | | | | | | | | | 1 | | | | | | | | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | 2 | 2 | | | | | | | | | | | | | | | | | | | | |
| PEPTIC ULCER (531-533) | 4 | 1 | | | | | | | | | | | | | | | | | | | | |
| CIRRHOSIS OF LIVER (571) | 8 | | | | | | | | | | | | | | | | | | | | | |
| NEPHRITIS AND NEPHROSIS (580-589) | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | | | | | | | | | | | | | | | | | | | |
| CONGENITAL ANOMALIES (740-759) | 3 | 3 | 3 | 2 | | | | | | | | | | | | | | | | | | |
| PERINATAL CONDITIONS (760-779) | 6 | 2 | 6 | 2 | | | | | | | | | | | | | | | | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | 2 | 1 | 1 | | | | | | | | | | | | | | | 1 | | | | |
| ALL OTHER DISEASES (BLANKS,000-799) | 28 | 22 | | | | | | 1 | | | | | | | 2 | | | | 1 | | | |
| ACCIDENTAL DEATHS (800-949) | 17 | 3 | | | 1 | 1 | | | | | 1 | | 2 | | 1 | | 3 | | 1 | | 1 | 1 |
| MOTOR VEHICLE (810-825) | 12 | 2 | | | | | | | | | | | 2 | | 1 | | 3 | | 1 | | 1 | 1 |
| OTHER TRANS. (800-807,826-848) | | | | | | | | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | | | | | | | | | | | | | | | | | | | | | | |
| FIRES (890-899) | | | | | | | | | | | | | | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | 3 | 1 | | | 1 | 1 | | | | | 1 | | | | | | | | | | | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 2 | | | | | | | | | | | | | | | | | | | | | |
| SUICIDE (950-959) | 8 | 1 | | | | | | | | | | | | | 2 | | | | 2 | | 3 | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | 2 | 2 | | | | | | | | | | | | 1 | | | 1 | 1 | | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | 5 | | | | | | | | | | | | | | | | 1 | | 2 | | 2 | |

TABLE 34E (CONT'D)

RESIDENT DEATHS BY AGE GROUP, BY SEX AND BY SELECTED CAUSES OF DEATH
MAUI COUNTY 1984

| UNKNOWN SEX IN MALE CATEG. | 40-44 YRS. | | 45-49 YRS. | | 50-54 YRS. | | 55-59 YRS. | | 60-64 YRS. | | 65-69 YRS. | | 70-74 YRS. | | 75-79 YRS. | | 80-84 YRS. | | OVER 84 | | UNKNOWN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL DEATHS | 7 | 3 | 7 | 5 | 10 | 6 | 20 | 10 | 29 | 7 | 38 | 14 | 35 | 17 | 32 | 20 | 43 | 19 | 44 | 39 | | |
| TUBERCULOSIS, ALL FORMS (010-019,137) | | | | | 1 | | | | | | 1 | | | | | | | | | | | |
| SYPHILIS AND ITS SEQUELAE (090-097) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER INFECTIVE & PARASITIC DISEASES (000-139) | | | | | 1 | | | | | | 1 | | | | 2 | | | | | | | |
| MALIGNANT NEOPLASM (140-208) | 1 | 1 | 2 | 1 | 5 | 2 | 9 | 3 | 9 | 3 | 18 | 5 | 9 | 10 | 6 | 6 | 9 | 1 | 4 | 4 | | |
| DIGEST. ORGANS (150-159) | | | | | 1 | 1 | 2 | | 4 | | 6 | | | 2 | 1 | 3 | 7 | | 1 | 4 | | |
| RESPIRATORY SYSTEM (160-163) | | | | 1 | 2 | 1 | 4 | 1 | 4 | 2 | 7 | 2 | 1 | 3 | 3 | 1 | 1 | | 2 | | | |
| BREAST (174-175) | | | | | | | | | | | | 1 | | 2 | | | | | | | | |
| GENITAL ORGANS (179-187) | | 1 | | | | | 1 | 2 | | 1 | 1 | | 1 | 3 | 1 | 1 | | 1 | | | | |
| URINARY ORGANS (188-189) | | | | | | | | | | | 1 | | 1 | | | | 1 | | | | | |
| LEUKEMIA (204-208) | | | | | | | | | | | 1 | | 1 | | | | | | | | | |
| OTHER (140-208) | 1 | | 2 | | 2 | | 2 | | 1 | | 2 | 2 | 5 | | 1 | 1 | | | 1 | | | |
| DIABETES MELLITUS (250) | | | | | | | 1 | | 1 | | | 1 | 2 | 3 | | 2 | | 1 | | 3 | | |
| DISEASE OF CIRCULATORY SYSTEM (390-459) | 3 | | 4 | | 2 | 2 | 6 | 2 | 11 | 3 | 13 | 5 | 17 | 2 | 14 | 9 | 25 | 12 | 28 | 25 | | |
| DISEASES OF HEART (390-398,402,404 410-414,415-417,420-429) | 1 | | 2 | | 2 | 2 | 4 | 1 | 9 | 2 | 11 | 3 | 14 | 1 | 11 | 6 | 22 | 6 | 18 | 20 | | |
| RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE (390-398) | | | | | | | | | | | 1 | | | | | | | | | | | |
| HYPERTENSIVE HEART (402,404) | | | | | | | | | | | | | | | | 1 | | | | 2 | | |
| ISCHEMIC HEART (410-414) | 1 | | 2 | | 2 | 1 | 4 | 1 | 8 | 2 | 6 | 2 | 10 | | 8 | 3 | 13 | 1 | 12 | 7 | | |
| OTHER HEART DISEASE (415-417,420-429) | | | | | | 1 | | | 1 | | 4 | 1 | 4 | 1 | 3 | 2 | 9 | 5 | 6 | 11 | | |
| HYPERTENSION (401,403) | | | | | | | | | | | | | | | | | 1 | 1 | 3 | | | |
| CEREBROVASCULAR DISEASE (430-438) | 2 | | 2 | | | | 2 | | 2 | 1 | 2 | 2 | 3 | 1 | 3 | 2 | 2 | 5 | 7 | 4 | | |
| ARTERIOSCLEROSIS (440) | | | | | | | | 1 | | | | | | | | 1 | | | | 1 | | |
| OTHER CIRCULATORY (441-459) | | | | | | | | | | | 1 | | | | 4 | 1 | 1 | | 2 | 3 | | |
| INFLUENZA/PNEUMONIA (480-487) | | | | | | 1 | | | | | | 1 | 1 | | | | | | 1 | | | |
| BRONCHITIS/EMPHYSEMA/ASTHMA (490-493) | | | | | | | | 1 | 1 | | | | 2 | | 1 | | | | | | | |
| PEPTIC ULCER (531-533) | | | | | | | 2 | | 2 | | 1 | | 2 | | | | | | | | | |
| CIRRHOSIS OF LIVER (571) | 1 | | | | | | | | | | | 1 | 1 | | 1 | 1 | | 1 | 1 | | | |
| NEPHRITIS AND NEPHROSIS (580-589) | | | | | | | | | | | | | | | | | | | | | | |
| COMPLICATIONS OF PREG, CHILDBIRTH & PUERPERIUM (630-676) | | | | 1 | | | | | | | | | | | | | | | | | | |
| CONGENITAL ANOMALIES (740-759) | | | | | | | | | | | | | | | | | | | | | | |
| PERINATAL CONDITIONS (760-779) | | | | | | | | | | | | | | | | | | | 1 | | | |
| SYMPTOMS & ILL-DEFINED COND (780-799) | | 2 | 1 | 2 | 1 | 1 | 2 | 4 | 4 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 7 | 4 | 5 | 3 | | |
| ALL OTHER DISEASES (BLANKS,000-799) | 2 | | | | | | | | 1 | | 1 | | | | 2 | | | | 1 | 1 | | |
| ACCIDENTAL DEATHS (800-949) | 1 | | | | | | | | | | 1 | | | | 1 | | | | 1 | 1 | | |
| MOTOR VEHICLE (810-825) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER TRANS. (800-807,826-848) | | | | | | | | | | | | | | | | | | | | | | |
| POISONING (850-869) | | | | | | | | | | | | | | | | | | | | | | |
| FALLS (880-888) | | | | | | | | | | | | | | | | | | | | | | |
| FIRES (890-899) | | | | | | | | | | | | | | | | | | | | | | |
| DROWNING & SUBMERSIONS (910) | | | | | | | | | 1 | | | | | | | | | | | | | |
| FIREARM MISSILES (922) | | | | | | | | | | | | | | | | | | | | | | |
| ADVERSE EFFECTS (930-949) | | | | | | | | | | | | | | | | | | | | | | |
| OTHER ACCIDENTS (800-949) | 1 | | | | | | | | | | | | | | 1 | | | | | | | |
| SUICIDE (950-959) | | | | 1 | | | | | | | | | | | | | | | 1 | | | |
| HOMICIDE & LEGAL INTERVENTION (960-978) | | | | | | | | | | | 1 | | | | | | | | | | | |
| ALL OTHER EXTERNAL CAUSES (800-999,XXXX) | | | | | | | | | | | | | | | | | | | | | | |

TABLE 35

TOTAL RECORDED DEATHS FROM MALIGNANT NEOPLASM BY MAJOR AND SELECTED SITES, SEX, AND AGE
STATE OF HAWAII 1984

| CAUSES OF DEATH (UNKNOWN SEX IN MALE CATEG.) | | ALL AGES | | UNDER 1 YR. | | 1-4 YRS. | | 5-9 YRS. | | 10-14 YRS. | | 15-17 YRS. | | 18-19 YRS. | | 20-24 YRS. | | 25-29 YRS. | | 30-34 YRS. | | 35-39 YRS. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| BUCCAL CAVITY AND PHARYNX | 140-149 | 34 | 12 | | | | | | | | | | | | | | 1 | | 2 | | | | |
| LIP | 140 | | | | | | | | | | | | | | | | | | | | | | |
| TONGUE | 141 | 11 | 3 | | | | | | | | | | | | | | | | 2 | | | | |
| SALIVARY GLAND | 142 | 3 | 2 | | | | | | | | | | | | | | | | | | | | |
| GUM | 143 | | | | | | | | | | | | | | | | | | | | | | |
| FLOOR OF MOUTH | 144 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| OTHER & UNSPEC PARTS OF MOUTH | 145 | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| OROPHARYNX | 146 | 4 | | | | | | | | | | | | | | | | | | | | | |
| NASOPHARYNX | 147 | 4 | * | | | | | | | | | | | | | | 1 | | | | | | |
| HYPOPHARYNX | 148 | 3 | | | | | | | | | | | | | | | | | | | | | |
| UNSPECIF BUCCAL CAVITY AND PHARYNX | 149 | 6 | 1 | | | | | | | | | | | | | | | | | | | | |
| DIGESTIVE ORGANS & PERITONEUM | 150-159 | 290 | 177 | | | | | | | 1 | | 1 | | | | | 1 | 1 | | 3 | | 4 | 3 |
| ESOPHAGUS | 150 | 13 | 4 | | | | | | | | | | | | | | | | | | | | |
| STOMACH | 151 | 75 | 55 | | | | | | | | | | | | | | 1 | | | | | | 2 |
| SMALL INTESTINE & DUODENUM | 152 | 3 | 1 | | | | | | | | | | | | | | | | | | | | |
| LARGE INTESTINE | 153 | 77 | 51 | | | | | | | | | | | | | | | | | 2 | | | 1 |
| RECTUM & RECTOSIGMOID JUNCTION | 154 | 24 | 8 | | | | | | | | | | | | | | | | | | | 2 | |
| LIVER AND INTRAHEPATIC BILE DUCTS | 155 | 34 | 15 | | | | | | | 1 | | 1 | | | | | | | | | | 1 | |
| GALL BLADDER & BILE DUCTS | 156 | 10 | 12 | | | | | | | | | | | | | | | | | | | | |
| PANCREAS | 157 | 46 | 30 | | | | | | | | | | | | | | | | | 1 | | 1 | |
| PERITONEUM & RETROPERITONEAL TISS | 158 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| UNSPEC DIGESTIVE ORGANS | 159 | 1 | | | | | | | | | | | | | | | | 1 | | | | | |
| RESPIRATORY SYSTEM | 160-165 | 272 | 117 | | | | | | | 1 | | | | | | | | 1 | 1 | | | 1 | 1 |
| NOSE,NASAL CAV, MIDDLE EAR & ACCES | 160 | | 1 | | | | | | | | | | | | | | | | | | | | |
| LARYNX | 161 | 3 | | | | | | | | | | | | | | | | | | | | | |
| TRACHEA, BRONCHUS & LUNG | 162 | 266 | 116 | | | | | | | | | | | | | | | | 1 | | | 1 | 1 |
| OTHER AND UNSPECIFIED ORGANS | 163-165 | 3 | | | | | | | | 1 | | | | | | | | 1 | | | | | |
| BONE, CONN TISSUE, SKIN BREAST | 170-175 | 27 | 87 | | | | | | | 1 | 1 | 1 | | | | 1 | | | 1 | 1 | 1 | | 3 |
| BONE | 170 | 2 | 2 | | | | | | | | 1 | 1 | | | | | | | 1 | | | | |
| CONNECTIVE & OTHER SOFT TISSUE | 171 | 7 | 3 | | | | | | | 1 | | | | | | 1 | | | | | | | |
| MELANOMA OF SKIN | 172 | 14 | 3 | | | | | | | | | | | | | | | | | | | | |
| NEOPLASM OF SKIN | 173 | 3 | | | | | | | | | | | | | | | | | | 1 | | | |
| BREAST | 174-175 | 1 | 79 | | | | | | | | | | | | | | | | | | 1 | | 3 |
| GENITOURINARY ORGANS | 179-189 | 103 | 78 | | | | | | | | | | | | | 2 | | 1 | | | | | |
| CERVIX UTERI | 180 | | 13 | | | | | | | | | | | | | | | | | | | | |
| PLACENTA | 181 | | | | | | | | | | | | | | | | | | | | | | |
| OTHER MALIG NEOPLASM OF UTERUS | 179,182 | | 18 | | | | | | | | | | | | | | | | | | | | |
| OVARY, FALLOP TUBE & BROAD LIGAM | 183 | | 30 | | | | | | | | | | | | | | | | | | | | |
| OTHER & UNSPEC FEMALE GENITAL ORG | 184 | | 2 | | | | | | | | | | | | | | | | | | | | |
| PROSTATE | 185 | 66 | | | | | | | | | | | | | | | | | | | | | |
| TESTIS | 186 | 3 | | | | | | | | | | | | | | 2 | | 1 | | | | | |
| OTHER & UNSPEC MALE GENITAL ORGAN | 187 | | | | | | | | | | | | | | | | | | | | | | |
| BLADDER | 188 | 15 | 10 | | | | | | | | | | | | | | | | | | | | |
| OTHER & UNSPEC URINARY ORGANS | 189 | 19 | 5 | | | | | | | | | | | | | | | | | | | | |
| OTHER AND UNSPECIFIED SITES | 190-199 | 58 | 43 | | | 1 | | 1 | 2 | | | | | | | | 1 | | | | | 1 | 2 |
| EYE | 190 | 1 | | | | | | | | | | | | | | | | | | | | | |
| BRAIN | 191 | 13 | 9 | | | 1 | | | 2 | | | | | | | | | | | | | 1 | 1 |
| OTHER PARTS OF NERVOUS SYSTEM | 192 | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| THYROID GLAND | 193 | 2 | 3 | | | | | | | | | | | | | | | | | | | | |
| OTHER ENDOCRINE GLANDS | 194 | 2 | 1 | | | | | 1 | | | | | | | | | | | | | | | |
| ILL-DEFINED SITES | 195 | | | | | | | | | | | | | | | | | | | | | | |
| SECONDARY & UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES | 196 | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| SECONDARY MALIGNANT NEOPLASM OF RESPIRATORY & DIGESTIVE SYSTEMS | 197 | | | | | | | | | | | | | | | | | | | | | | |
| OTHER SECONDARY MALIG NEOPLASM | 198 | | | | | | | | | | | | | | | | | | | | | | |
| WITHOUT SPECIFICATION OF SITE | 199 | 35 | 26 | | | | | | | | | | | | | | 1 | | | | | | 1 |
| LYMPHATIC & HEMATOPOIETIC TISS | 200-208 | 71 | 52 | | | | 2 | 3 | 2 | | 1 | 2 | 1 | | | 4 | | 1 | 2 | 1 | 1 | 2 | 2 |
| LYMPHOSARCOMA & RETIC-CELL SARCO | 200 | 5 | 4 | | | | 1 | | | | | | | | | | | | | | | | |
| HODGKINS DISEASE | 201 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 | |
| OTHER NEOPLASMS OF LYMPHOID TISS | 202 | 9 | 17 | | | | | | | | | | | | | | | 1 | | | 1 | | |
| MULTIPLE MYELOMA | 203 | 14 | 5 | | | | | | | | | | | | | | | | | | | | |
| LYMPHATIC LEUKEMIA | 204 | 8 | 7 | | | | 1 | | 1 | | | | | | | 1 | | | 1 | | | | |
| MYELOID LEUKEMIA | 205 | 19 | 8 | | | | | 3 | 1 | | | 1 | 1 | | | 1 | | | 1 | 1 | | | 1 |
| MONOCYTIC LEUKEMIA | 208 | | 2 | | | | | | | | 1 | | | | | | | | | | | | |
| OTHER AND UNSPECIFIED LEUKEMIA | 207-208 | 15 | 8 | | | | | | | | | 1 | | | | 2 | | | | | | 1 | 1 |
| TOTAL MALIGNANT NEOPLASMS | 140-208 | 855 | 560 | | | 1 | 2 | 4 | 4 | 3 | 2 | 4 | 1 | | | 7 | 3 | 4 | 6 | 5 | 2 | 8 | 11 |

TABLE 35 (CONT'D)

TOTAL RECORDED DEATHS FROM MALIGNANT NEOPLASM BY MAJOR AND SELECTED SITES, SEX, AND AGE
STATE OF HAWAII 1984

| UNKNOWN SEX IN MALE CATEG. | | 40-44 YRS. | | 45-49 YRS. | | 50-54 YRS. | | 55-59 YRS. | | 60-64 YRS. | | 65-69 YRS. | | 70-74 YRS. | | 75-79 YRS. | | 80-84 YRS. | | OVER 84 | | UNKNOWN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| BUCCAL CAVITY AND PHARYNX | 140-149 | 2 | | 1 | 1 | 6 | 1 | 1 | 2 | 4 | 2 | 6 | 1 | 6 | 1 | 3 | | 3 | 1 | 2 | | | |
| LIP | 140 | | | | | | | | | | | | | | | | | | | | | | |
| TONGUE | 141 | 2 | | 1 | | 2 | | | 1 | 1 | | 1 | | 2 | | 1 | | 1 | | | | | |
| SALIVARY GLAND | 142 | | | | | | | | 1 | | | 1 | | 1 | | | | | 1 | 1 | | | |
| GUM | 143 | | | | | | | | | | | | | | | | | | | | | | |
| FLOOR OF MOUTH | 144 | | | | | | | | | 1 | 1 | | | | | | | | | | | | |
| OTHER & UNSPEC PARTS OF MOUTH | 145 | | | | | | | 1 | | | 1 | | | | | | | 1 | | | | | |
| OROPHARYNX | 146 | | | | | | | | | | | 3 | | 1 | | | | | | | | | |
| NASOPHARYNX | 147 | | | | 1 | 1 | 1 | | | | | | | 2 | 1 | 1 | | | | | | | |
| HYPOPHARYNX | 148 | | | | | 1 | | | | 1 | | | | | | 1 | | 1 | | | | | |
| UNSPECIF BUCCAL CAVITY AND PHARYNX | 149 | | | | | 2 | | | | 1 | | 1 | 1 | | | 1 | | | | 1 | | | |
| DIGESTIVE ORGANS & PERITONEUM | 150-159 | 8 | 2 | 8 | 4 | 15 | 9 | 33 | 14 | 45 | 19 | 53 | 23 | 35 | 20 | 36 | 25 | 31 | 20 | 14 | 37 | | |
| ESOPHAGUS | 150 | | | | | | | 5 | | 2 | | 5 | | 1 | 1 | 4 | 1 | 2 | 1 | | 1 | | |
| STOMACH | 151 | 2 | 1 | 1 | 1 | 5 | 7 | 4 | 3 | 14 | 3 | 14 | 6 | 12 | 4 | 9 | 5 | 10 | 10 | 4 | 12 | | |
| SMALL INTESTINE & DUODENUM | 152 | 1 | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | |
| LARGE INTESTINE | 153 | 2 | | 2 | 1 | 5 | | 6 | 5 | 7 | 6 | 17 | 4 | 11 | 7 | 10 | 13 | 9 | 5 | 6 | 9 | | |
| RECTUM & RECTOSIGMOID JUNCTION | 154 | 3 | | 2 | 1 | 1 | | 3 | 1 | 6 | 2 | 3 | 1 | 2 | | | | 2 | 1 | | 2 | | |
| LIVER AND INTRAHEPATIC BILE DUCTS | 155 | | | 1 | | 2 | | 4 | 4 | 7 | | 4 | 3 | 2 | 2 | 7 | 2 | 4 | | | 4 | | |
| GALL BLADDER & BILE DUCTS | 156 | | 1 | 1 | | | 1 | 2 | | 1 | 2 | | 1 | | 3 | 2 | 1 | 2 | 1 | 2 | 2 | | |
| PANCREAS | 157 | | | 1 | 1 | 2 | 1 | 9 | 1 | 7 | 6 | 9 | 8 | 7 | 3 | 6 | 3 | 2 | 1 | 1 | 6 | | |
| PERITONEUM & RETROPERITONEAL TISS | 158 | | | | | | | | | | | 1 | | | | | | | 1 | | | | |
| UNSPEC DIGESTIVE ORGANS | 159 | | | | | | | | | | | | | | | | | | | | | | |
| RESPIRATORY SYSTEM | 160-165 | 5 | 1 | 7 | 11 | 15 | 11 | 30 | 13 | 51 | 22 | 48 | 17 | 51 | 14 | 41 | 12 | 6 | 10 | 15 | 4 | | |
| NOSE,NASAL CAV, MIDDLE EAR & ACCES | 160 | | | | | | | | | | | | | | | | | | | | 1 | | |
| LARYNX | 161 | | | | | | | | | 1 | | 1 | | | | 1 | | | | | | | |
| TRACHEA, BRONCHUS & LUNG | 162 | 5 | 1 | 7 | 11 | 15 | 11 | 30 | 13 | 50 | 22 | 46 | 17 | 51 | 14 | 40 | 12 | 6 | 10 | 15 | 3 | | |
| OTHER AND UNSPECIFIED ORGANS | 163-165 | | | | | | | | | | | 1 | | | | | | | | | | | |
| BONE, CONN TISSUE, SKIN BREAST | 170-175 | 1 | 12 | 2 | 5 | 5 | 10 | 1 | 7 | 5 | 9 | 2 | 12 | 3 | 10 | 1 | 7 | 1 | 6 | 2 | 3 | | |
| BONE | 170 | | | | | 1 | | | | | | | | | | | | | | | | | |
| CONNECTIVE & OTHER SOFT TISSUE | 171 | | 1 | 2 | | | | | | 3 | | | 1 | | | | | | | | | | |
| MELANOMA OF SKIN | 172 | 1 | | | 1 | 4 | 1 | | | 2 | | 2 | | 3 | 1 | 1 | | | 1 | 1 | | | |
| NEOPLASM OF SKIN | 173 | | | | | | | 1 | | | | | | | | | | | | 1 | | | |
| BREAST | 174-175 | | 11 | | 4 | | 9 | | 7 | | 9 | | 11 | | 9 | | 7 | 1 | 5 | | 3 | | |
| GENITOURINARY ORGANS | 175-189 | 2 | 3 | | 5 | 3 | 5 | 6 | 7 | 11 | 14 | 10 | 14 | 20 | 10 | 18 | 6 | 11 | 8 | 19 | 6 | | |
| CERVIC UTERI | 180 | | 1 | | 2 | | 1 | | 3 | | 2 | | 1 | | 1 | | 2 | | | | | | |
| PLACENTA | 181 | | | | | | | | | | | | | | | | | | | | | | |
| OTHER MALIG NEOPLASM OF UTERUS | 179,182 | | | | 1 | | 1 | | 1 | | 5 | | 3 | | 3 | | 1 | | 3 | | | | |
| OVARY, FALLOP TUBE & BROAD LIGAM | 183 | | 2 | | 2 | | 1 | | 3 | | 6 | | 6 | | 5 | | 2 | | 1 | | 2 | | |
| OTHER & UNSPEC FEMALE GENITAL ORG | 184 | | | | | | | | | | | | | | | | 1 | | 1 | | | | |
| PROSTATE | 185 | | | | | 1 | | 4 | | 6 | | 4 | | 15 | | 13 | | 10 | | 13 | | | |
| TESTIS | 186 | | | | | | | | | | | | | | | | | | | | | | |
| OTHER & UNSPEC MALE GENITAL ORGAN | 187 | | | | | | | | | | | | | | | | | | | | | | |
| BLADDER | 188 | | | | | 2 | | | | 2 | 1 | 3 | 1 | 1 | 1 | 4 | | | 3 | 3 | 4 | | |
| OTHER & UNSPEC URINARY ORGANS | 189 | 2 | | | | | 2 | 2 | | 3 | | 3 | 3 | 4 | | 1 | | 1 | | 3 | | | |
| OTHER AND UNSPECIFIED SITES | 190-199 | 1 | | | | 4 | 2 | 9 | 5 | 6 | 7 | 10 | 6 | 9 | 4 | 8 | 4 | 3 | 4 | 5 | 6 | | |
| EYE | 190 | | | | | | | | | | | | | 1 | | | | | | | | | |
| BRAIN | 191 | 1 | | | | 1 | | 1 | | 3 | 2 | 3 | 1 | 1 | 2 | 1 | | | 1 | | | | |
| OTHER PARTS OF NERVOUS SYSTEM | 192 | | | | | 2 | | | | | | | | | | | | | | | 1 | | |
| THYROID GLAND | 193 | | | | | | | 1 | | | 1 | | | | 1 | 1 | | | 1 | | | | |
| OTHER ENDOCRINE GLANDS | 194 | | | | | | | | | | 1 | | | 1 | | | | | | | | | |
| ILL-DEFINED SITES | 195 | | | | | | | | | | | | | | | | | | | | | | |
| SECONDARY & UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES | 196 | | | | | | 1 | 3 | | | | | | | | | 1 | | | | 1 | | |
| SECONDARY MALIGNANT NEOPLASM OF RESPIRATORY & DIGESTIVE SYSTEMS | 197 | | | | | | | | | | | | | | | | | | | | | | |
| OTHER SECONDARY MALIG NEOPLASM | 198 | | | | | | | | | | | | | | | | | | | | | | |
| WITHOUT SPECIFICATION OF SITE | 199 | | | | | 1 | 1 | 4 | 5 | 3 | 3 | 7 | 5 | 8 | 1 | 6 | 3 | 3 | 2 | 5 | 4 | | |
| LYMPHATIC & HEMATOPOIETIC TISS | 200-209 | | 2 | 4 | | 8 | 4 | 9 | 6 | 7 | 7 | 2 | 7 | 14 | 5 | 8 | 4 | 5 | 1 | 1 | 5 | | |
| LYMPHOSARCOMA & RETIC-CELL SARCO | 200 | | 1 | | | 1 | | 2 | | | 1 | 1 | | 1 | 1 | | | | | | | | |
| HODGKINS DISEASE | 201 | | | | | | | | 1 | | | | | | | | | | | | | | |
| OTHER NEOPLASMS OF LYMPHOID TISS | 202 | | | 2 | | 1 | 3 | | 2 | 1 | 3 | | 3 | 3 | 1 | | 2 | 1 | | | 2 | | |
| MULTIPLE MYELOMA | 203 | | | | | | | | | 3 | 1 | | 1 | 5 | 1 | 3 | 1 | 3 | 1 | | | | |
| LYMPHATIC LEUKEMIA | 204 | | 1 | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 | 2 | | 1 | | | | | |
| MYELOID LEUKEMIA | 205 | | | | | | | 5 | 1 | 3 | 1 | | 1 | 2 | | 3 | 1 | | | | | | |
| MONOCYTIC LEUKEMIA | 206 | | | | | | | | | | | | 1 | | | | | | | | | | |
| OTHER AND UNSPECIFIED LEUKEMIA | 207-208 | | | 2 | | 5 | | 1 | 1 | | 1 | | 1 | 2 | 1 | | | | | 1 | 3 | | |
| TOTAL MALIGNANT NEOPLASMS | 140-208 | 19 | 20 | 22 | 26 | 56 | 42 | 89 | 54 | 129 | 80 | 131 | 80 | 138 | 64 | 117 | 58 | 60 | 50 | 58 | 61 | | |

TABLE 36

HAWAII RESIDENT DEATHS OCCURRING OUTSIDE THE STATE BY RACE, AGE, AND SEX*
1984

| AGE | TOTAL | | CAUCASIAN | | JAPANESE | | CHINESE | | FILIPINO | | HAWAIIAN PT HAW'N | | KOREAN | | BLACK | | OTHER PAC. IS. | | OTHER & UNK | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| TOTAL | 40 | 28 | 21 | 18 | 5 | 4 | 4 | | 5 | 4 | 1 | 1 | | | 1 | 1 | | | 3 | |
| UNDER 1 | 3 | 3 | 3 | 2 | | | | | | | | | | | | 1 | | | | |
| 1 - 19 | | | | | | | | | | | | | | | | | | | | |
| 20 - 24 | | 1 | | 1 | | | | | | | | | | | | | | | | |
| 25 - 34 | 1 | | | | 1 | | | | | | | | | | | | | | | |
| 35 - 44 | 3 | | 2 | | | | | | | | | | | | | | | | 1 | |
| 45 - 54 | 3 | 1 | 2 | | | | 1 | | | | | 1 | | | | | | | | |
| 55 - 64 | 6 | 5 | 2 | 2 | | 3 | | | 2 | | | | | | 1 | | | | 1 | |
| 65 - 74 | 17 | 8 | 9 | 4 | 4 | 1 | | | 2 | 3 | 1 | | | | | | | | 1 | |
| 75 - 84 | 5 | 8 | 2 | 7 | | | 2 | | 1 | 1 | | | | | | | | | | |
| 85 & OVER | 2 | 2 | 1 | 2 | | | 1 | | | | | | | | | | | | | |

*INCLUDES DEATHS OCCURRING IN THE UNITED STATES, GUAM, AND CANADA.

TABLE 37

TOTAL RECORDED DEATHS BY ISLAND OF OCCURRENCE, BY METHOD OF DISPOSITION AND AUTOPSY PERFORMED
STATE OF HAWAII 1984

| ISLAND OF OCCURRENCE | METHOD OF DISPOSITION | | | | | | | | AUTOPSY PERFORMED | | | | | | PRESUMPTIVE DEATHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | PRIV. PHY. | | MED.EX./COR.PHY. | | OTHER | | |
| | TOTAL | BURIAL | CREMATION | REMOVAL | ENTOMBMENT | EDUC. PURPOSE | OTHER | UNK. | TOTAL | YES | TOTAL | YES | TOTAL | YES | |
| TOTAL | 5942 | 2517 | 2808 | 587 | 26 | | | 4 | 4935 | 462 | 1002 | 737 | 2 | 1 | 3 |
| HAWAII | 636 | 291 | 296 | 46 | 1 | | | | 496 | 32 | 140 | 138 | | | |
| OAHU | 4587 | 1907 | 2170 | 485 | 25 | | | | 3904 | 398 | 681 | 437 | 2 | 1 | |
| KALAWAO COUNTY | 6 | 5 | 1 | | | | | | 6 | | | | | | |
| KAUAI | 266 | 120 | 128 | 17 | | | | 1 | 220 | 23 | 45 | 39 | | | 1 |
| NIIHAU | | | | | | | | | | | | | | | |
| LANAI | 11 | 4 | 4 | 3 | | | | | 6 | | 5 | 4 | | | |
| MAUI | 409 | 171 | 202 | 33 | | | | 3 | 281 | 9 | 126 | 116 | | | 2 |
| MOLOKAI (EXCL OF KALAWAO) | 27 | 19 | 5 | 3 | | | | | 22 | | 5 | 3 | | | |
| UNKNOWN | | | | | | | | | | | | | | | |

FIGURE 3
INFANT DEATHS IN HAWAII 1900-1984

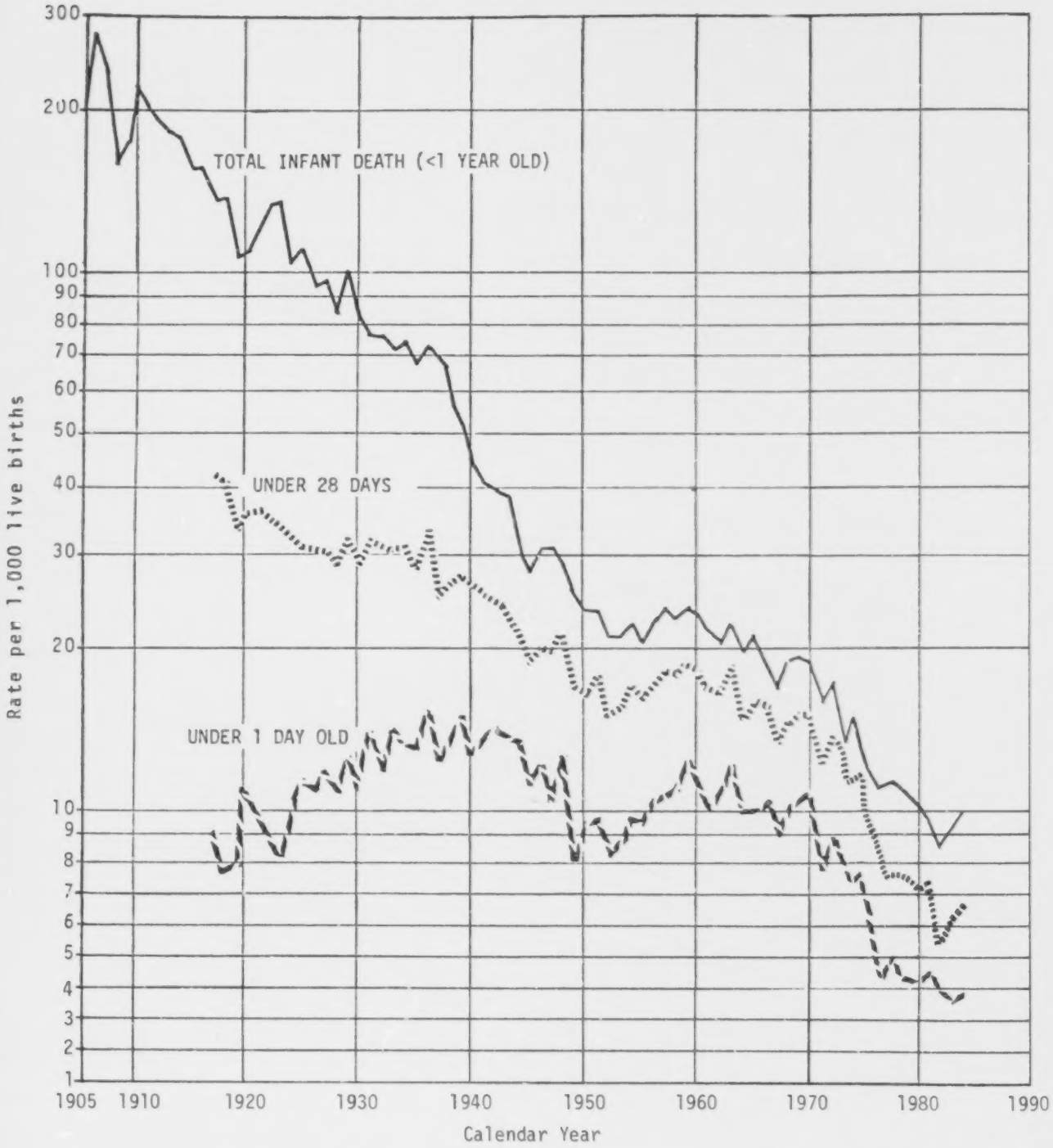


TABLE 38

INFANT DEATHS BY PLACE OF OCCURRENCE REALLOCATED TO USUAL RESIDENCE BY RACE OF CHILD
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | | TOTAL BY PLACE OF OCCURRENCE | | TOTAL BY PLACE OF RESIDENCE | | PERINATAL MORTALITY | | RACE OF CHILD | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | RATE[a] | NO. | RATE[a] | NO. | RATE[b] | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER RACES | UNKN |
| TOTAL RECORDED | | 205 | 10.9 | 205 | 10.9 | 239 | 12.7 | 40 | 1 | 68 | 5 | 35 | 14 | 1 | 4 | 4 | 19 | | 2 | 12 | |
| STATE OF HAWAII | NUMBER | 205 | 10.9 | 186 | 10.0 | 236 | 12.5 | 35 | 1 | 68 | 5 | 33 | 14 | 1 | 4 | 2 | 15 | | 2 | 6 | |
| | RATE* | 10.9 | | 10.0 | | | | 8.0 | 20.4 | 11.9 | 7.2 | 12.1 | 5.6 | 6.2 | 12.4 | 4.0 | 17.4 | | 21.5 | 12.3 | |
| COUNTY OF HAWAII | | 11 | 6.0 | 23 | 12.1 | 31 | 16.1 | 4 | | 12 | | 2 | 1 | 1 | | | | | | 3 | |
| CITY OF HILO | | 8 | 7.0 | 8 | 12.8 | 14 | 21.9 | | | 5 | | 1 | | | | | | | | 2 | |
| BALANCE OF CTY | | 3 | 4.3 | 15 | 11.8 | 17 | 13.2 | 4 | | 7 | | 1 | 1 | 1 | | | | | | 1 | |
| COUNTY OF HONOLULU | | 187 | 12.8 | 141 | 9.8 | 160 | 11.0 | 27 | 1 | 47 | 5 | 25 | 12 | | 4 | 2 | 15 | | 2 | 1 | |
| CITY OF HONOLULU | | 173 | 13.4 | 60 | 10.5 | 69 | 11.9 | 10 | | 15 | 4 | 11 | 6 | | 3 | 1 | 7 | | 2 | 1 | |
| BALANCE OF CTY | | 14 | 8.1 | 81 | 9.4 | 91 | 10.4 | 17 | 1 | 32 | 1 | 14 | 6 | | 1 | 1 | 8 | | | | |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | | 4 | 5.3 | 7 | 9.0 | 9 | 11.4 | | | 3 | | 3 | 1 | | | | | | | | |
| ISLAND OF KAUAI | | 4 | 5.3 | 6 | 7.8 | 9 | 11.5 | | | 2 | | 3 | 1 | | | | | | | | |
| ISLAND OF NIIHAU | | | | 1 | 250.0 | | | | | 1 | | | | | | | | | | | |
| COUNTY OF MAUI | | 3 | 2.0 | 15 | 9.3 | 30 | 18.2 | 4 | | 6 | | 3 | | | | | | | | 2 | |
| ISLAND OF LANAI | | | | | | | | | | | | | | | | | | | | | |
| ISLAND OF MAUI | | 3 | 2.1 | 13 | 8.3 | 24 | 16.2 | 4 | | 4 | | 3 | | | | | | | | 2 | |
| ISLAND OF MOLOKAI (EXCL. KALAWAO) | | | | 2 | 15.7 | 6 | 45.1 | | | 2 | | | | | | | | | | | |
| NON-RESIDENT | | | | 19 | 213.5 | 9 | 91.8 | 5 | | | | 2 | | | | 2 | 4 | | | 6 | |
| UNKNOWN | | | | | | | | | | | | | | | | | | | | | |

[a] NUMBER OF INFANT DEATHS PER 1,000 LIVE BIRTHS
[b] RESIDENT INFANT DEATHS UNDER 1 WEEK OF AGE AND FETAL DEATHS OF 20 WEEKS OR MORE GESTATION DIVIDED BY THE SUM OF TOTAL RESIDENT LIVE BIRTHS PLUS RESIDENT FETAL DEATHS OF 20 WEEKS OR MORE GESTATION

TABLE 39

RESIDENT INFANT DEATHS BY AGE AND RACE OF MOTHER
STATE OF HAWAII, 1984

| AGE OF MOTHER | | ALL RACES | | RACE OF MOTHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | RATE* | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER RACES | UNKN |
| ALL AGES | NUMBER | 186 | 10.0 | 40 | 4 | 52 | 5 | 30 | 18 | 1 | 6 | 4 | 10 | 1 | 3 | 7 | 5 |
| | RATE* | 10.0 | | 7.0 | 30.1 | 12.8 | 7.1 | 10.0 | 7.0 | 6.2 | 15.0 | 7.8 | 15.3 | 4.6 | 31.9 | 15.2 | |
| UNDER 15 | | | | | | | | | | | | | | | | | |
| 15 - 17 | | 4 | 7.6 | 1 | | 3 | | | | | | | | | | | |
| 18 - 19 | | 16 | 11.6 | 2 | | 8 | | 2 | 2 | | | 1 | 1 | | | | |
| 20 - 24 | | 61 | 10.3 | 13 | 1 | 24 | 2 | 11 | 3 | | | | 5 | | 1 | 1 | |
| 25 - 29 | | 51 | 9.1 | 10 | 1 | 10 | 3 | 8 | 3 | 1 | 2 | 3 | 4 | | 1 | 5 | |
| 30 - 34 | | 36 | 9.6 | 9 | 1 | 5 | | 8 | 6 | | 4 | | | 1 | 1 | 1 | |
| 35 - 39 | | 11 | 8.9 | 4 | 1 | 1 | | 1 | 4 | | | | | | | | |
| 40 - 44 | | 2 | 11.2 | 1 | | 1 | | | | | | | | | | | |
| 45 & OVER | | | | | | | | | | | | | | | | | |
| UNKNOWN | | 5 | | | | | | | | | | | | | | | 5 |

* NUMBER OF INFANT DEATHS PER 1,000 LIVE BIRTHS

TABLE 40
RESIDENT INFANT DEATHS BY RACE OF MOTHER AND MONTH OF FIRST PRENATAL VISIT
STATE OF HAWAII, 1984

| RACE OF MOTHER | | NO. | RATE* | MONTH OF FIRST PRENATAL VISIT | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1ST | 2ND | 3RD | 4TH | 5TH | 6TH | 7TH | 8TH | 9TH | NONE | UNKNOWN |
| ALL RACES | NUMBER | 186 | 10.0 | 29 | 62 | 36 | 27 | 9 | 6 | 2 | 3 | 1 | 2 | 9 |
| | RATE* | 10.0 | | 10.7 | 8.6 | 8.6 | 15.0 | 7.9 | 9.3 | 4.7 | 11.2 | 11.5 | 19.6 | |
| CAUCASIAN | | 40 | 7.0 | 9 | 15 | 7 | 5 | 1 | 1 | 2 | | | | |
| HAWAIIAN | | 4 | 30.1 | 1 | | 1 | 1 | | 1 | | | | | |
| PART HAWAIIAN | | 52 | 12.8 | 6 | 18 | 11 | 6 | 5 | 2 | | 2 | | 1 | 1 |
| CHINESE | | 5 | 7.1 | | 2 | 1 | 2 | | | | | | | |
| FILIPINO | | 30 | 10.0 | 5 | 10 | 7 | 4 | | | | 1 | | 1 | 2 |
| JAPANESE | | 18 | 7.0 | 5 | 6 | 2 | 2 | 1 | 1 | | | | | 1 |
| PUERTO RICAN | | 1 | 6.2 | | | | 1 | | | | | | | |
| KOREAN | | 6 | 15.0 | 1 | 3 | 2 | | | | | | | | |
| SAMOAN | | 4 | 7.8 | | 1 | 1 | 1 | | | | | 1 | | |
| NEGRO | | 10 | 15.3 | | 5 | 2 | 2 | 1 | | | | | | |
| PORTUGUESE | | 1 | 4.6 | | | | 1 | | | | | | | |
| VIETNAMESE | | 3 | 31.9 | 1 | 2 | | | | | | | | | |
| OTHER RACES | | 7 | 15.2 | 1 | | 2 | 2 | 1 | 1 | | | | | |
| UNKNOWN | | 5 | | | | | | | | | | | | 5 |

* NUMBER OF INFANT DEATHS PER 1,000 LIVE BIRTHS

TABLE 41
RESIDENT INFANT MORTALITY BY RACE OF CHILD AND AGE, LOW BIRTH WEIGHT INFANT DEATHS
STATE OF HAWAII, 1984

| RACE OF CHILD | NUMBER OF INFANT DEATHS AGE AT DEATH (DAYS) | | | | | INFANT DEATH RATE a/ | | | | | LOW BIRTH WEIGHT INFANTS WHO DIED b/ | | PERINATAL MORTALITY | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | UNDER 1 DAY | 1-6 | 7-27 | 28 DAYS TO 11 MOS | TOTAL | UNDER 1 DAY | UNDER 1 WEEK | UNDER 28 DAYS | 28 DAYS TO 11 MOS | NO. | RATE c/ | NO. | RATE d/ |
| ALL RACES | 186 | 73 | 29 | 22 | 62 | 10.0 | 3.9 | 5.5 | 6.6 | 3.3 | 92 | 77.2 | 230 | 12.2 |
| CAUCASIAN | 35 | 14 | 6 | 4 | 11 | 8.0 | 3.2 | 4.5 | 5.5 | 2.5 | 17 | 76.9 | 48 | 10.9 |
| HAWAIIAN | 1 | | 1 | | | 20.4 | | 20.4 | 20.4 | | 1 | 200.0 | 3 | 61.2 |
| PART HAWAIIAN | 68 | 27 | 11 | 7 | 23 | 11.9 | 4.7 | 6.7 | 7.9 | 4.0 | 34 | 95.5 | 74 | 12.9 |
| CHINESE | 5 | 2 | 1 | 1 | 1 | 7.2 | 2.9 | 4.3 | 5.8 | 1.4 | 2 | 55.6 | 7 | 10.1 |
| FILIPINO | 33 | 12 | 5 | 6 | 10 | 12.1 | 4.4 | 6.2 | 8.4 | 3.7 | 16 | 56.5 | 39 | 14.1 |
| JAPANESE | 14 | 5 | 2 | 1 | 6 | 5.6 | 2.0 | 2.8 | 3.2 | 2.4 | 5 | 37.0 | 19 | 7.6 |
| PUERTO RICAN | 1 | 1 | | | | 6.2 | 6.2 | 6.2 | 6.2 | | 1 | 100.0 | 1 | 6.2 |
| KOREAN | 4 | 2 | 1 | 1 | | 12.4 | 6.2 | 9.3 | 12.4 | | 4 | 200.0 | 6 | 18.5 |
| SAMOAN | 2 | 1 | | 1 | | 4.0 | 2.0 | 2.0 | 4.0 | | | | 2 | 3.9 |
| NEGRO | 15 | 6 | | 1 | 8 | 17.4 | 6.9 | 6.9 | 8.1 | 9.3 | 7 | 94.6 | 14 | 16.0 |
| PORTUGUESE | | | | | | | | | | | | | 1 | 5.4 |
| VIETNAMESE | 2 | 1 | | | 1 | 21.5 | 10.8 | 10.8 | 10.8 | 10.8 | 1 | 200.0 | 1 | 10.8 |
| OTHER RACES | 6 | 2 | 2 | | 2 | 12.5 | 4.2 | 8.3 | 8.3 | 4.2 | 4 | 160.0 | 11 | 22.3 |
| UNKNOWN | | | | | | | | | | | | | 4 | 666.7 |

a/ NUMBER OF INFANT DEATHS PER 1,000 LIVE BIRTHS
b/ INFANTS OF LESS THAN 2500 GRAMS (5 LBS. 8 OZ.) ARE CONSIDERED LOW BIRTH WEIGHT
c/ NUMBER OF DEATHS PER 1,000 LOW BIRTH WEIGHT LIVE BIRTHS
d/ NUMBER OF INFANT DEATHS UNDER 1 WEEK OF AGE AND FETAL DEATHS OF 20 WEEKS OR MORE GESTATION DIVIDED BY THE SUM OF TOTAL RESIDENT LIVE BIRTHS PLUS RESIDENT FETAL DEATHS OF 20 WEEKS OR MORE GESTATION

TABLE 42
RESIDENT INFANT MORTALITY BY SELECTED CAUSES BY BIRTH WEIGHT, SEX AND AGE, NEONATAL DEATHS
STATE OF HAWAII, 1984

| CAUSE OF DEATH[a] | TOTAL | | | BIRTH WEIGHT | | | SEX | | | AGE AT DEATH | | | | NEONATAL DEATH[c] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO. | RATE[b] | PER CENT | 2500 GMS UNDER | OVER 2500 GMS | UNK | MALE | FEMALE | UNK | UNDER 1 DAY | 1-6 DAYS | 7-27 DAYS | 28 DAYS TO 11 MOS | NO. | RATE[b] |
| ALL CAUSES | 186 | 10.0 | 100.0 | 92 | 79 | 15 | 102 | 84 | | 73 | 29 | 22 | 62 | 124 | 6.6 |
| INTESTINAL INFECTIVE DISEASES (001-009) | | | | | | | | | | | | | | | |
| OTHER INFECTIVE DISEASES (010-139) | 1 | 0.1 | .5 | | 1 | | 1 | | | | | | 1 | | |
| INFECTIONS OF NEWBORN (771) | 1 | 0.1 | .5 | 1 | | | 1 | | | 1 | | | | 1 | 0.1 |
| MENINGITIS (320-322) | 4 | 0.2 | 2.2 | | 4 | | 1 | 3 | | | | 1 | 3 | 1 | 0.1 |
| PNEUMONIA (480-486,7700) | 1 | 0.1 | .5 | 1 | | | | 1 | | | | | 1 | | |
| CONGENITAL ANOMALIES OF CIRCULATORY SYST (745-747) | 34 | 1.8 | 18.3 | 10 | 23 | 1 | 16 | 18 | | 3 | 13 | 6 | 12 | 22 | 1.2 |
| OTHER CONG ANOMAL (740-759) | 34 | 1.8 | 18.3 | 17 | 17 | | 16 | 18 | | 18 | 5 | 2 | 9 | 25 | 1.3 |
| MATERNAL CONDITIONS UNRELATED TO PREGNANCY (760) | 1 | 0.1 | .5 | 1 | | | 1 | | | 1 | | | | 1 | 0.1 |
| COMPLICATIONS OF PREGNANCY (761) | 6 | 0.3 | 3.2 | 6 | | | 1 | 5 | | 5 | 1 | | | 6 | 0.3 |
| COMPLICATIONS OF PLACENTA CORD & MEMBRANE (762) | 5 | 0.3 | 2.7 | 3 | 2 | | 3 | 2 | | 4 | | 1 | | 5 | 0.3 |
| OTHER COMPLICATIONS OF LABOR AND DELIVERY (763) | | | | | | | | | | | | | | | |
| BIRTH INJURY (767) | 3 | 0.2 | 1.6 | 2 | 1 | | 2 | 1 | | 2 | | | 1 | 2 | 0.1 |
| HEMOLYTIC DISEASE OF NEWBORN (773) | | | | | | | | | | | | | | | |
| RESPIRATORY DISTRESS SYNDROME (769) | 10 | 0.5 | 5.4 | 10 | | | 6 | 4 | | 3 | 4 | 1 | 2 | 8 | 0.4 |
| ASPHYXIA & HYPOXIA (768) | 8 | 0.4 | 4.3 | 1 | 2 | 5 | 4 | 4 | | 5 | 1 | 2 | | 8 | 0.4 |
| IMMATURITY (765) | 27 | 1.4 | 14.5 | 23 | | 4 | 17 | 10 | | 26 | 1 | | | 27 | 1.4 |
| OTHER PERINATAL (760-779) | 14 | 0.7 | 7.5 | 11 | 2 | 1 | 9 | 5 | | 9 | 4 | 4 | 2 | 12 | 0.6 |
| SUDDEN INFANT DEATH SYNDROME (7980) | 19 | 1.0 | 10.2 | 3 | 14 | 2 | 13 | 6 | | | | 2 | 17 | 2 | 0.1 |
| ACCIDENTS (800-949) | 1 | 0.1 | .5 | | 1 | | 1 | | | | | | 1 | | |
| OTHER EXTERNAL CONDITIONS (950-959) | 2 | 0.1 | 1.1 | | 2 | | 2 | | | | | | 2 | | |
| ALL OTHER CONDITIONS-RESIDUAL | 15 | 0.8 | 8.1 | 3 | 10 | 2 | 8 | 7 | | 1 | | 3 | 11 | 4 | 0.2 |

[a] 9TH ICD
[b] NUMBER OF INFANT DEATHS PER 1,000 LIVE BIRTHS
[c] DEATHS UNDER 28 DAYS OLD

TABLE 43
STANDARD FETAL DEATHS BY PLACE OF OCCURRENCE REALLOCATED TO USUAL RESIDENCE OF MOTHER AND GESTATION PERIOD
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | | TOTAL BY PLACE OF OCCURRENCE | | TOTAL BY PLACE OF RESIDENCE | | | GESTATION PERIOD IN WEEKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | RATIO[a] | NO. | RATIO[a] | RATE[b] | UNDER 12 | 12 | 13 | 14 | 15 | 16-19 | 20-27 | 28-35 | 36-39 | 40 & OVER | UNKN |
| TOTAL RECORDED | | 1,694 | 90.3 | 1,694 | 90.3 | 82.8 | 1,107 | 163 | 53 | 72 | 40 | 86 | 64 | 43 | 16 | 8 | 42 |
| STATE OF HAWAII | NUMBER | 1,694 | 90.3 | 1,629 | 87.3 | 80.3 | 1,060 | 156 | 51 | 67 | 40 | 85 | 62 | 43 | 16 | 7 | 42 |
| | PERCENT | | | 100.0 | | | 65.1 | 9.6 | 3.1 | 4.1 | 2.5 | 5.2 | 3.8 | 2.6 | 1.0 | 0.4 | 2.6 |
| COUNTY OF HAWAII | | 130 | 70.4 | 135 | 71.2 | 66.5 | 95 | 7 | 1 | 3 | 1 | 8 | 10 | 2 | 3 | 4 | 1 |
| CITY OF HILO | | 124 | 107.9 | 61 | 97.6 | 88.9 | 41 | 5 | | 2 | 1 | 2 | 4 | 1 | 3 | 1 | 1 |
| BALANCE OF COUNTY | | 6 | 8.6 | 74 | 58.3 | 55.1 | 54 | 2 | 1 | 1 | | 6 | 6 | 1 | | 3 | |
| COUNTY OF HONOLULU | | 1,304 | 89.0 | 1,246 | 86.7 | 79.8 | 803 | 128 | 40 | 53 | 33 | 63 | 46 | 28 | 10 | 2 | 34 |
| CITY OF HONOLULU | | 1,165 | 90.1 | 505 | 88.4 | 81.2 | 331 | 53 | 19 | 22 | 7 | 23 | 23 | 13 | 4 | 1 | 9 |
| BALANCE OF COUNTY | | 139 | 80.8 | 741 | 85.5 | 78.8 | 472 | 75 | 27 | 31 | 26 | 40 | 23 | 15 | 6 | 1 | 25 |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | | 95 | 127.0 | 87 | 111.8 | 100.6 | 55 | 11 | 2 | 4 | 1 | 8 | 2 | 2 | 1 | | 1 |
| ISLAND OF KAUAI | | 95 | 127.0 | 87 | 112.4 | 101.0 | 55 | 11 | 2 | 4 | 1 | 8 | 2 | 2 | 1 | | 1 |
| ISLAND OF NIIHAU | | | | | | | | | | | | | | | | | |
| COUNTY OF MAUI | | 105 | 109.5 | 161 | 99.5 | 90.5 | 107 | 10 | 2 | 7 | 5 | 6 | 4 | 11 | 2 | 1 | 6 |
| ISLAND OF LANAI | | | | 2 | 62.5 | 58.8 | 2 | | | | | | | | | | |
| ISLAND OF MAUI | | 104 | 115.2 | 152 | 104.2 | 94.4 | 102 | 10 | 2 | 7 | 5 | 6 | 4 | 8 | 1 | 1 | 6 |
| ISLAND OF MOLOKAI | | 1 | 13.7 | 7 | 95.9 | 52.2 | 3 | | | | | | | 3 | 1 | | |
| NON-RESIDENT | | | | 63 | 707.9 | 41.4 | 40 | 6 | 2 | 5 | | 1 | 2 | | | 1 | |
| UNKNOWN | | | | 2 | | | 1 | 1 | | | | | | | | | |

[a] NUMBER OF FETAL DEATHS PER 1,000 LIVE BIRTHS
[b] NUMBER OF FETAL DEATHS PER 1,000 DELIVERIES (LIVE BIRTHS AND STANDARD FETAL DEATHS)

TABLE 44
STANDARD FETAL DEATHS BY PLACE OF OCCURRENCE REALLOCATED TO USUAL RESIDENCE OF MOTHER BY RACE
STATE OF HAWAII, 1984

| GEOGRAPHIC AREA | TOTAL BY PLACE OF OCCURRENCE | | TOTAL BY PLACE OF RESIDENCE | | | RACE OF FETUS | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO. | RATIO [a] | NO. | RATIO [a] | RATE [b] | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERRCAN | KOREAN | SAMOAN | NEGRO | PORTGESE | VIETMESE | OTHER | UNKN |
| TOTAL RECORDED | 1694 | 90.3 | 1694 | 90.3 | 82.8 | 625 | 22 | 308 | 45 | 219 | 218 | 7 | 20 | 24 | 101 | 17 | 7 | 36 | 45 |
| STATE OF HAWAII NUMBER | 1694 | 90.3 | 1629 | 87.3 | 80.3 | 569 | 22 | 303 | 45 | 217 | 215 | 7 | 20 | 24 | 99 | 17 | 7 | 36 | 43 |
| STATE OF HAWAII RATIO [a] | 90.3 | | 87.3 | | | 129.6 | 449.0 | 54.1 | 65.1 | 79.3 | 86.5 | 43.2 | 62.1 | 47.4 | 114.6 | 92.4 | 75.3 | 73.8 | |
| STATE OF HAWAII RATE [b] | 82.8 | | 80.3 | | | 114.8 | 309.9 | 51.3 | 61.1 | 73.5 | 79.6 | 41.4 | 58.5 | 45.3 | 102.8 | 84.6 | 70.0 | 68.7 | |
| COUNTY OF HAWAII | 130 | 70.4 | 135 | 71.2 | 66.5 | 25 | 2 | 53 | 1 | 18 | 22 | 1 | 2 | | | 5 | | 6 | |
| CITY OF HILO | 124 | 107.9 | 61 | 97.6 | 88.9 | 6 | | 27 | 1 | 6 | 14 | 1 | 2 | | | 3 | | 1 | |
| BALANCE OF COUNTY | 6 | 8.6 | 74 | 58.3 | 55.1 | 19 | 2 | 26 | | 12 | 8 | | | | | 2 | | 5 | |
| COUNTY OF HONOLULU | 1304 | 89.0 | 1246 | 86.7 | 79.8 | 454 | 18 | 192 | 44 | 146 | 168 | 4 | 18 | 24 | 99 | 9 | 7 | 28 | 35 |
| CITY OF HONOLULU | 1165 | 90.1 | 505 | 88.4 | 81.2 | 156 | 1 | 57 | 28 | 69 | 98 | 3 | 11 | 14 | 26 | 4 | 6 | 16 | 16 |
| BALANCE OF COUNTY | 139 | 80.8 | 741 | 85.5 | 78.8 | 298 | 17 | 135 | 16 | 77 | 70 | 1 | 7 | 10 | 73 | 5 | 1 | 12 | 19 |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | 95 | 127.0 | 87 | 111.8 | 100.6 | 20 | 1 | 28 | | 28 | 7 | | | | | 1 | | 1 | 1 |
| ISLAND OF KAUAI | 95 | 127.0 | 87 | 112.4 | 101.0 | 20 | 1 | 28 | | 28 | 7 | | | | | 1 | | 1 | 1 |
| ISLAND OF NIIHAU | | | | | | | | | | | | | | | | | | | |
| COUNTY OF MAUI | 165 | 109.5 | 161 | 99.5 | 90.5 | 70 | 1 | 35 | | 25 | 18 | 2 | | | | 2 | | 1 | 7 |
| ISLAND OF LANAI | | | 2 | 62.5 | 58.8 | | | | | 2 | | | | | | | | | |
| ISLAND OF MAUI | 164 | 115.2 | 152 | 104.2 | 94.4 | 69 | 1 | 29 | | 23 | 18 | 2 | | | | 2 | | 1 | 7 |
| ISLAND OF MOLOKAI | 1 | 13.7 | 7 | 95.9 | 52.2 | 1 | | 6 | | | | | | | | | | | |
| NON-RESIDENT | | | 63 | 707.9 | 41.4 | 55 | | | | 1 | 3 | | | | 2 | | | | 2 |
| UNKNOWN | | | 2 | | | 1 | | | | 1 | | | | | | | | | |

[a] NUMBER OF FETAL DEATHS PER 1,000 LIVE BIRTHS
[b] NUMBER OF FETAL DEATHS PER 1,000 DELIVERIES (LIVE BIRTHS AND STANDARD FETAL DEATHS)

TABLE 45
STANDARD FETAL DEATHS BY CAUSE AND GESTATION PERIOD
STATE OF HAWAII, 1984

| CAUSE | CODE* | TOTAL | | GESTATION PERIOD IN WEEKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | UNDER 12 | 12 | 13 | 14 | 15 | 16-19 | 20-27 | 28-35 | 36-39 | 40 & OVER | UNKN |
| ALL CAUSES | ALL | 1,694 | 100.0 | 1,107 | 163 | 53 | 72 | 40 | 86 | 64 | 43 | 16 | 8 | 42 |
| SPONTANEOUS ABORTION | 7618 | 668 | 39.4 | 488 | 85 | 21 | 27 | 17 | 30 | 3 | | | | 17 |
| ALL OTHER ABORTIONS | 7796 | 233 | 13.8 | 148 | 27 | 17 | 15 | 8 | 13 | 2 | 1 | | | 2 |
| CONGENITAL ANOMALIES | 740-759 | 12 | .7 | | | | | | | 6 | 6 | | | |
| CHRONIC CIRCULATORY, RESPIRATORY, AND GENITOURINARY DISEASES IN THE MOTHER | 760C,7601,7603 | 3 | .2 | | | | | | | | 2 | | | 1 |
| MATERNAL CONDITIONS UNRELATED TO PREGNANCY | 7602,7604-7609 | 7 | .4 | 1 | 1 | | 2 | | 1 | 1 | 1 | | | |
| COMPLICATIONS OF PREGNANCY AND CHILDBIRTH | 7610-7617,7619 | 236 | 13.9 | 203 | 6 | 2 | 3 | | 6 | 5 | | | | 11 |
| DIFFICULT LABOR WITH OR WITHOUT MENTION OF BIRTH INJURY | 763 | 2 | .1 | | | | | | | 2 | | | | |
| COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES | 762 | 74 | 4.4 | 9 | 3 | 1 | 1 | 3 | 10 | 14 | 16 | 11 | 4 | 2 |
| BIRTH INJURY WITHOUT MENTION OF CAUSE | 767 | | | | | | | | | | | | | |
| HEMOLYTIC DISEASE OF NEWBORN | 773 | | | | | | | | | | | | | |
| OTHER CONDITIONS OF FETUS | 764-766,768-770 | 7 | .4 | | | | | | 2 | 3 | 1 | | 1 | |
| UNKNOWN | 7799 | 449 | 26.5 | 278 | 40 | 12 | 23 | 12 | 24 | 28 | 16 | 5 | 3 | 8 |
| ALL OTHER CAUSES | RESIDUAL | 3 | .2 | | 1 | | 1 | | | | | | | 1 |

*9TH ICD

TABLE 46
STANDARD FETAL DEATHS BY AGE OF MOTHER AND GESTATION PERIOD
STATE OF HAWAII, 1984

| AGE OF MOTHER IN YEARS | TOTAL | | | GESTATION PERIOD IN WEEKS: NUMBER | | | | | | | | | | | GESTATION PERIOD IN WEEKS: PERCENT | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO. | RATIO* | PER-CENT | <12 | 12 | 13 | 14 | 15 | 16 TO 19 | 20 TO 27 | 28 TO 35 | 36 TO 39 | 40 & OVER | UNKN | UNDER 12 | UNDER 20 | UNDER 28 | UNDER 36 | 36 TO 39 | 40 & OVER | UNKN |
| ALL AGES | 1,694 | 90.7 | 100.0 | 1,107 | 163 | 53 | 72 | 40 | 86 | 64 | 43 | 16 | 8 | 42 | 65.3 | 89.8 | 93.6 | 96.1 | .9 | .5 | 2.5 |
| UNDER 15 | 1 | 38.5 | .1 | 1 | | | | | | | | | | | 100.0 | 100.0 | 100.0 | 100.0 | | | |
| 15 - 17 | 31 | 59.2 | 1.8 | 17 | 1 | 1 | 3 | | 4 | 2 | 1 | | 1 | 1 | 54.8 | 83.9 | 90.3 | 93.5 | | 3.2 | 3.2 |
| 18 - 19 | 108 | 78.2 | 6.4 | 58 | 8 | 2 | 7 | 5 | 8 | 4 | 6 | 2 | | 4 | 53.7 | 85.2 | 88.9 | 94.4 | 1.9 | | 3.7 |
| 20 - 24 | 438 | 73.6 | 25.9 | 283 | 53 | 8 | 16 | 9 | 23 | 21 | 8 | 4 | 3 | 10 | 64.6 | 89.5 | 94.3 | 96.1 | .9 | .7 | 2.3 |
| 25 - 29 | 486 | 86.8 | 28.7 | 329 | 45 | 20 | 17 | 9 | 20 | 17 | 12 | 3 | 3 | 11 | 67.7 | 90.5 | 94.0 | 96.5 | .6 | .6 | 2.3 |
| 30 - 34 | 382 | 101.5 | 22.6 | 254 | 36 | 13 | 21 | 9 | 19 | 9 | 10 | 3 | | 8 | 66.5 | 92.1 | 94.5 | 97.1 | .8 | | 2.1 |
| 35 - 39 | 198 | 161.0 | 11.7 | 134 | 15 | 7 | 5 | 2 | 11 | 10 | 6 | 3 | 1 | 4 | 67.7 | 87.9 | 92.9 | 96.0 | 1.5 | .5 | 2.0 |
| 40 - 44 | 41 | 229.1 | 2.4 | 26 | 4 | 2 | 3 | 1 | 1 | 1 | | | | 3 | 63.4 | 90.2 | 92.7 | 92.7 | | | 7.3 |
| 45 - 49 | 4 | 400.0 | .2 | 3 | | | | | | | | | | 1 | 75.0 | 75.0 | 75.0 | 75.0 | | | 25.0 |
| 50 & OVER | | | | | | | | | | | | | | | | | | | | | |
| UNKNOWN | 5 | | .3 | 2 | 1 | | | 1 | | | | 1 | | | 40.0 | 80.0 | 80.0 | 80.0 | 20.0 | | |

*NUMBER OF FETAL DEATHS PER 1,000 LIVE BIRTHS

TABLE 47
STANDARD FETAL DEATHS BY RACE OF MOTHER AND AGE OF MOTHER
STATE OF HAWAII, 1984

| ALL RACES | | RACE OF MOTHER | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO. | PER CENT | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGESE | VIETNAMESE | OTHER | UNKN |
| | NUMBER | 1694 | 100.0 | 627 | 28 | 261 | 49 | 244 | 216 | 10 | 35 | 24 | 82 | 23 | 8 | 36 | 51 |
| | PERCENT | 100.0 | | 37.0 | 1.7 | 15.4 | 2.9 | 14.4 | 12.8 | .6 | 2.1 | 1.4 | 4.8 | 1.4 | .5 | 2.1 | 3.0 |
| UNDER 15 | | 1 | .1 | | | | | | 1 | | | | | | | | |
| 15 - 17 | | 31 | 1.8 | 7 | 2 | 6 | | 5 | 3 | | 1 | | 2 | 2 | | 1 | |
| 18 - 19 | | 108 | 6.4 | 39 | 1 | 29 | 1 | 10 | 4 | | 1 | 2 | 11 | 2 | | 2 | 6 |
| 20 - 24 | | 438 | 25.9 | 175 | 9 | 91 | 2 | 50 | 24 | 5 | 1 | 11 | 37 | 4 | 1 | 13 | 15 |
| 25 - 29 | | 486 | 28.7 | 166 | 5 | 70 | 11 | 86 | 70 | 2 | 13 | 4 | 22 | 9 | 1 | 8 | 15 |
| 30 - 34 | | 382 | 22.6 | 144 | 4 | 43 | 21 | 52 | 69 | 1 | 11 | 6 | 7 | 5 | 2 | 5 | 12 |
| 35 - 39 | | 198 | 11.7 | 79 | 2 | 17 | 11 | 31 | 36 | 2 | 7 | | 2 | | 2 | 6 | 3 |
| 40 - 44 | | 41 | 2.4 | 13 | 1 | 3 | 3 | 8 | 8 | | 1 | | | 1 | 2 | 1 | |
| 45 - 49 | | 4 | .2 | 1 | | | | 2 | | | | 1 | | | | | |
| 50 & OVER | | | | | | | | | | | | | | | | | |
| UNKNOWN | | 5 | .3 | 3 | | | | | 1 | | | | 1 | | | | |

TABLE 48
ELECTIVE ABORTIONS BY RACE OF MOTHER AND AGE OF MOTHER
STATE OF HAWAII, 1984

| MOTHERS AGE IN YEARS | | NO. | PERCENT | ABORTIONS PER 1000 LIVE BIRTHS | RACE OF MOTHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | NEGRO | SAMOAN | VIETNAMESE | PORTUGESE | OTHER RACES | UNKNOWN |
| | NUMBER | 5,334 | | 285.7 | 1581 | 107 | 846 | 198 | 758 | 897 | 40 | 220 | 131 | 104 | 20 | 46 | 152 | 232 |
| | PERCENT | | 100.0 | | 29.6 | 2.0 | 15.9 | 3.7 | 14.2 | 16.8 | .7 | 4.1 | 2.5 | 1.9 | .4 | .9 | 2.8 | 4.3 |
| UNDER 15 | | 39 | .7 | 1,500.0 | 9 | | 7 | 3 | 5 | 7 | 1 | 1 | 1 | | | | 2 | 3 |
| 15 - 17 | | 450 | 8.4 | 858.8 | 95 | 14 | 102 | 11 | 66 | 88 | 6 | 8 | 6 | 5 | 1 | 4 | 20 | 24 |
| 18 - 19 | | 659 | 12.4 | 477.2 | 158 | 21 | 141 | 22 | 98 | 128 | 5 | 13 | 16 | 5 | 3 | 8 | 15 | 26 |
| 20 - 24 | | 1,835 | 34.4 | 308.4 | 509 | 52 | 325 | 66 | 269 | 285 | 21 | 48 | 61 | 44 | 7 | 15 | 42 | 91 |
| 25 - 29 | | 1,206 | 22.6 | 215.3 | 397 | 8 | 150 | 43 | 169 | 193 | 4 | 68 | 28 | 28 | 1 | 13 | 39 | 63 |
| 30 - 34 | | 710 | 13.3 | 188.6 | 265 | 3 | 80 | 28 | 94 | 114 | | 47 | 13 | 18 | 4 | 3 | 24 | 17 |
| 35 - 39 | | 330 | 6.2 | 268.3 | 125 | 7 | 28 | 19 | 39 | 61 | | 21 | 5 | 3 | 3 | 5 | 9 | 5 |
| 40 - 44 | | 89 | 1.7 | 497.2 | 19 | 1 | 11 | 5 | 15 | 19 | 1 | 12 | 1 | 1 | | | 1 | 3 |
| 45 - 49 | | 9 | .2 | 900.0 | | | 2 | 1 | 3 | 1 | | 2 | | | | | | |
| 50 & OVER | | | | | | | | | | | | | | | | | | |
| UNKNOWN | | 7 | .1 | | 4 | 1 | | | | 1 | | | | | 1 | | | |

TABLE 49
ELECTIVE ABORTIONS BY AGE OF MOTHER AND LENGTH OF GESTATION PERIOD
STATE OF HAWAII, 1984

| AGE OF MOTHER | | GESTATION PERIOD IN WEEKS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | UNDER 6 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 & OVER | UNKN |
| ALL AGES | 5,334 | 108 | 765 | 619 | 1,326 | 590 | 719 | 244 | 322 | 134 | 142 | 72 | 87 | 42 | 61 | 43 | 30 | 17 | 13 |
| UNDER 15 | 39 | 2 | 3 | 3 | 7 | 4 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | | | 2 | 1 |
| 15 - 17 | 450 | 7 | 69 | 34 | 99 | 40 | 69 | 26 | 33 | 13 | 7 | 6 | 11 | 6 | 8 | 6 | 9 | 6 | 1 |
| 18 - 19 | 659 | 7 | 74 | 66 | 147 | 80 | 94 | 30 | 55 | 17 | 27 | 11 | 13 | 7 | 7 | 10 | 5 | | 3 |
| 20 - 24 | 1,835 | 40 | 239 | 207 | 455 | 200 | 245 | 83 | 114 | 65 | 61 | 34 | 34 | 14 | 21 | 6 | 9 | 5 | 3 |
| 25 - 29 | 1,206 | 18 | 196 | 145 | 311 | 136 | 149 | 62 | 67 | 24 | 28 | 16 | 16 | 9 | 13 | 10 | 3 | 1 | 2 |
| 30 - 34 | 710 | 23 | 111 | 105 | 186 | 85 | 95 | 20 | 33 | 10 | 15 | 1 | 4 | 3 | 7 | 6 | 3 | 1 | 2 |
| 35 - 39 | 330 | 9 | 56 | 43 | 94 | 30 | 49 | 13 | 12 | 3 | 1 | 2 | 5 | | 4 | 5 | 1 | 2 | 1 |
| 40 - 44 | 89 | 1 | 13 | 11 | 25 | 13 | 15 | 2 | 5 | 1 | 1 | | 2 | | | | | | |
| 45 - 49 | 9 | | 1 | 2 | 2 | 2 | 1 | | 1 | | | | | | | | | | |
| 50 & OVER | | | | | | | | | | | | | | | | | | | |
| UNKNOWN | 7 | 1 | 3 | 3 | | | | | | | | | | | | | | | |

TABLE 50
ELECTIVE ABORTIONS BY LEGITIMACY AND RACE OF MOTHER
STATE OF HAWAII, 1984

| LEGITIMACY STATUS | TOTAL | RACE OF MOTHER | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | NEGRO | SAMOAN | PORTUGUESE | VIETNAMESE | OTHER RACES | UNKNOWN |
| TOTAL | 5,334 | 1,581 | 107 | 846 | 198 | 758 | 697 | 40 | 220 | 131 | 104 | 20 | 48 | 152 | 232 |
| LEGITIMATE | 1,298 | 304 | 15 | 211 | 62 | 252 | 178 | 8 | 90 | 35 | 30 | 6 | 14 | 47 | 46 |
| ILLEGITIMATE | 3,864 | 1,211 | 91 | 624 | 129 | 489 | 669 | 30 | 122 | 92 | 71 | 13 | 33 | 97 | 173 |
| UNKNOWN | 172 | 66 | 1 | 11 | 7 | 17 | 30 | 2 | 8 | 4 | 3 | 1 | 1 | 8 | 13 |

TABLE 51
ELECTIVE ABORTIONS BY LEGITIMACY STATUS AND AGE OF MOTHER
STATE OF HAWAII, 1984

| LEGITIMACY STATUS | TOTAL | AGE OF MOTHER IN YEARS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UNDER 15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50 & OVER | UNKNOWN |
| TOTAL | 5,334 | 39 | 450 | 659 | 1,635 | 1,206 | 710 | 330 | 89 | 9 | | 7 |
| LEGITIMATE | 1,298 | | 9 | 33 | 328 | 416 | 299 | 158 | 48 | 5 | | 2 |
| ILLEGITIMATE | 3,864 | 38 | 419 | 609 | 1,445 | 752 | 393 | 163 | 39 | 4 | | 4 |
| UNKNOWN | 172 | 1 | 23 | 18 | 62 | 38 | 18 | 9 | 2 | | | 1 |

TABLE 52
ELECTIVE ABORTIONS BY TYPE OF PROCEDURE AND GESTATION PERIOD
STATE OF HAWAII, 1984

| TYPE OF PROCEDURE | TOTAL | GESTATION PERIOD IN WEEKS | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UNDER 6 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17-19 | 20 & OVER | UNKN |
| TOTAL | 5,334 | 108 | 765 | 819 | 1,326 | 590 | 719 | 244 | 322 | 134 | 142 | 72 | 87 | 140 | 47 | 13 |
| SUCTION CURETTAGE | 5,108 | 103 | 736 | 593 | 1,301 | 583 | 715 | 243 | 321 | 134 | 135 | 64 | 86 | 87 | 15 | 12 |
| SHARP D & C | 9 | | | 1 | | 3 | 1 | | 1 | | 1 | 2 | | | | |
| AMNIOTIC FLUID EXCHANGE | | | | | | | | | | | | | | | | |
| HYSTEROTOMY | | | | | | | | | | | | | | | | |
| HYSTERECTOMY | 4 | | 2 | | 1 | | | 1 | | | | | | | | |
| PROSTAGLANDIN | 52 | | | | | | | | | | 2 | 2 | 10 | 22 | 16 | |
| OTHER | 139 | 5 | 27 | 25 | 23 | 4 | 3 | | | | 4 | 4 | 11 | 31 | 1a | |
| NOT STATED | 1 | | | | | | | | | | | | | | | 1 |
| UNKNOWN | 1 | | | | 1 | | | | | | | | | | | |

TABLE 53
ELECTIVE ABORTIONS BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
STATE OF HAWAII, 1984

| COUNTY OF RESIDENCE | | | | | COUNTY OF OCCURRENCE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COUNTY OF HAWAII | | | | COUNTY OF HONOLULU | | | | COUNTY OF KAUAI | | | | COUNTY OF MAUI | | | | | |
| | | NO. | PER-CENT | ABORTIONS PER 1,000 LIVE BIRTHS | TOTAL | TOT | HILO CITY | BAL | TOT | HON CITY | BAL | KALAWAO CNTY | TOT | KAUAI ISL | NIIHAU ISL | TOT | MAUI ISL | LANAI ISL | MOLOKAI ISL | NON RES | UNK |
| TOTAL RECORDED | NUMBER | 5334 | 100.0 | 294.4 | 5334 | 309 | 253 | 56 | 4507 | 3711 | 796 | | 223 | 223 | | 295 | 284 | | 11 | | |
| | PERCENT | 100.0 | | | 100.0 | 5.8 | 4.7 | 1.0 | 84.5 | 69.6 | 14.9 | | 4.2 | 4.2 | | 5.5 | 5.3 | | .2 | | |
| STATE OF HAWAII | | 5277 | 98.9 | 282.7 | 5277 | 307 | 252 | 55 | 4455 | 3676 | 779 | | 222 | 222 | | 293 | 282 | | 11 | | |
| COUNTY OF HAWAII | | 326 | 6.1 | 172.0 | 326 | 306 | 251 | 55 | 20 | 19 | 1 | | | | | | | | | | |
| CITY OF HILO | | 138 | 2.6 | 120.8 | 138 | 127 | 126 | 1 | 11 | 11 | | | | | | | | | | | |
| BALANCE OF COUNTY | | 188 | 3.5 | 148.0 | 188 | 179 | 125 | 54 | 9 | 8 | 1 | | | | | | | | | | |
| COUNTY OF HONOLULU | | 4315 | 80.9 | 300.2 | 4315 | 1 | 1 | | 4312 | 3550 | 762 | | | | | 2 | 1 | | 1 | | |
| CITY OF HONOLULU | | 2606 | 48.9 | 456.2 | 2606 | | | | 2606 | 2334 | 272 | | | | | | | | | | |
| BALANCE OF COUNTY | | 1709 | 32.0 | 197.3 | 1709 | 1 | 1 | | 1706 | 1216 | 490 | | | | | 2 | 1 | | 1 | | |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | | 267 | 5.0 | 343.2 | 267 | | | | 45 | 31 | 14 | | 222 | 222 | | | | | | | |
| ISLAND OF KAUAI | | 267 | 5.0 | 345.0 | 267 | | | | 45 | 31 | 14 | | 222 | 222 | | | | | | | |
| ISLAND OF NIIHAU | | | | | | | | | | | | | | | | | | | | | |
| COUNTY OF MAUI | | 369 | 6.9 | 228.1 | 369 | | | | 78 | 76 | 2 | | | | | 291 | 281 | | 10 | | |
| ISLAND OF MAUI | | 341 | 6.4 | 233.7 | 341 | | | | 60 | 58 | 2 | | | | | 281 | 281 | | | | |
| ISLAND OF LANAI | | 3 | .1 | 93.8 | 3 | | | | 3 | 3 | | | | | | | | | | | |
| ISLAND OF MOLOKAI | | 25 | .5 | 196.9 | 25 | | | | 15 | 15 | | | | | | 10 | | | 10 | | |
| NON-RESIDENT | | 55 | 1.0 | 618.0 | 55 | 2 | 1 | 1 | 50 | 33 | 17 | | 1 | 1 | | 2 | 2 | | | | |
| UNKNOWN | | 2 | | | 2 | | | | 2 | 2 | | | | | | | | | | | |

TABLE 54
MARRIAGES BY PLACE AND MONTH OF OCCURRENCE
STATE OF HAWAII, 1984

| PLACE OF OCCURR | TOTAL | PERCENT | RATE* | MONTH OF OCCURRENCE | | | | | | | | | | | | UNK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| TOTAL | 14,982 | 100.0 | 14.4 | 961 | 1,216 | 1,208 | 1,146 | 1,352 | 1,477 | 1,245 | 1,401 | 1,276 | 1,080 | 1,199 | 1,421 | |
| PERCENT | | | | 6.4 | 8.1 | 8.1 | 7.6 | 9.0 | 9.9 | 8.3 | 9.4 | 8.5 | 7.2 | 8.0 | 9.5 | |
| STATE OF HAWAII | 14,980 | 100.0 | 14.4 | 961 | 1,216 | 1,207 | 1,146 | 1,352 | 1,477 | 1,245 | 1,401 | 1,276 | 1,080 | 1,199 | 1,420 | |
| COUNTY OF HAWAII | 1,234 | 8.2 | 11.4 | 68 | 94 | 109 | 95 | 93 | 125 | 104 | 108 | 99 | 88 | 110 | 141 | |
| CITY OF HILO | 460 | 3.1 | | 23 | 31 | 45 | 37 | 32 | 40 | 43 | 48 | 43 | 33 | 41 | 44 | |
| BAL. OF COUNTY | 774 | 5.2 | | 45 | 63 | 64 | 58 | 61 | 85 | 61 | 60 | 56 | 55 | 69 | 97 | |
| COUNTY OF HONOLUL | 10,009 | 66.8 | 12.5 | 653 | 814 | 805 | 772 | 873 | 1,000 | 859 | 953 | 831 | 704 | 798 | 947 | |
| CITY OF HONO. | 7,370 | 49.2 | | 509 | 611 | 611 | 540 | 638 | 682 | 639 | 713 | 608 | 543 | 590 | 686 | |
| BAL. OF COUNTY | 2,639 | 17.6 | | 144 | 203 | 194 | 232 | 235 | 318 | 220 | 240 | 223 | 161 | 208 | 261 | |
| COUNTY OF KALAWAO | 1 | | | | | | | | | 1 | | | | | | |
| COUNTY OF KAUAI | 1,693 | 11.3 | 38.0 | 92 | 130 | 133 | 129 | 165 | 158 | 129 | 170 | 165 | 138 | 136 | 148 | |
| ISL OF KAUAI | 1,692 | 11.3 | | 92 | 130 | 133 | 129 | 165 | 158 | 129 | 169 | 165 | 138 | 136 | 148 | |
| ISL OF NIIHAU | 1 | | | | | | | | | | 1 | | | | | |
| COUNTY OF MAUI | 2,043 | 13.6 | 24.5 | 148 | 178 | 160 | 150 | 221 | 194 | 152 | 170 | 181 | 150 | 155 | 184 | |
| ISL OF LANAI | 16 | .1 | 6.4 | 2 | 2 | 1 | 1 | 2 | 2 | | | 2 | 2 | 1 | 1 | |
| ISL OF MAUI | 1,975 | 13.2 | 26.7 | 142 | 173 | 154 | 146 | 216 | 187 | 149 | 162 | 174 | 145 | 149 | 178 | |
| ISL OF MOLOKAI | 52 | .3 | 7.5 | 4 | 5 | 5 | 3 | 3 | 5 | 3 | 8 | 5 | 3 | 5 | 5 | |
| UNKNOWN | 2 | | | | | 1 | | | | | | | | | 1 | |

*RATE PER 1,000 POPULATION

TABLE 55
MARRIAGES BY AGE OF GROOM AND AGE OF BRIDE
STATE OF HAWAII, 1984

| AGE OF GROOM | TOT | PERCENT | AGE OF BRIDE | | | | | | | | | | | | | UNK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75 & > | |
| ALL AGES | 14,982 | 100.0 | 171 | 1017 | 4279 | 4017 | 2422 | 1349 | 721 | 414 | 240 | 152 | 103 | 50 | 35 | 12 | |
| PERCENT | | | 1.1 | 6.8 | 28.6 | 26.8 | 16.2 | 9.0 | 4.8 | 2.8 | 1.6 | 1.0 | .7 | .3 | .2 | .1 | |
| 15 - 17 | 11 | .1 | 4 | 5 | 1 | 1 | | | | | | | | | | | |
| 18 - 19 | 443 | 3.0 | 70 | 216 | 129 | 19 | 7 | 2 | | | | | | | | | |
| 20 - 24 | 3,491 | 23.3 | 83 | 628 | 2035 | 546 | 146 | 38 | 10 | 3 | 1 | 1 | | | | | |
| 25 - 29 | 3,800 | 25.4 | 13 | 121 | 1342 | 1698 | 443 | 134 | 33 | 7 | 7 | 1 | 1 | | | | |
| 30 - 34 | 2,721 | 18.2 | | 29 | 490 | 1047 | 807 | 265 | 55 | 23 | 3 | 2 | | | | | |
| 35 - 39 | 1,809 | 12.1 | 1 | 12 | 182 | 489 | 607 | 360 | 110 | 26 | 6 | 3 | 1 | 1 | 1 | | |
| 40 - 44 | 929 | 6.2 | | 4 | 60 | 143 | 227 | 267 | 163 | 48 | 13 | 1 | 3 | | | | |
| 45 - 49 | 580 | 3.9 | | 1 | 24 | 36 | 106 | 130 | 158 | 91 | 22 | 8 | 2 | | | | |
| 50 - 54 | 426 | 2.8 | | 1 | 6 | 18 | 49 | 78 | 95 | 58 | 57 | 15 | 5 | 2 | | | |
| 55 - 59 | 307 | 2.0 | | | 3 | 9 | 16 | 42 | 52 | 65 | 65 | 40 | 11 | 3 | 1 | | |
| 60 - 64 | 213 | 1.4 | | | 2 | 4 | 7 | 22 | 29 | 38 | 33 | 45 | 30 | 6 | 1 | | |
| 65 - 69 | 122 | .8 | | | 3 | 3 | 1 | 6 | 9 | 9 | 20 | 17 | 29 | 16 | 8 | 1 | |
| 70 - 74 | 74 | .5 | | | | 1 | 2 | 2 | 2 | 3 | 7 | 16 | 11 | 14 | 10 | 6 | |
| 75 & > | 54 | .4 | | | | 1 | 3 | 2 | 1 | 3 | 4 | 3 | 10 | 8 | 14 | 5 | |
| UNKNOWN | 2 | | | | | | 1 | 1 | | | | | | | | | |

MEDIAN AGE OF GROOM WITH KNOWN AGES: 29.7

MEDIAN AGE OF BRIDE WITH KNOWN AGES: 27.5

TABLE 56

MARRIAGES BY PREVIOUS MARITAL STATUS OF GROOM AND OF BRIDE BY AGE
STATE OF HAWAII, 1984

| AGE IN YEARS | | GROOM | | | | | | | BRIDE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TOTAL | PERCENT | NEVER MARRIED | WIDOWED | DIVORCED | ANNUL-MENT | UNKNOWN | TOTAL | PERCENT | NEVER MARRIED | WIDOWED | DIVORCED | ANNUL-MENT | UNKNOWN |
| TOTAL | NUMBER | 14,982 | 100.0 | 9,248 | 438 | 5,254 | 42 | | 14,982 | 100.0 | 9,175 | 442 | 5,321 | 44 | |
| | PERCENT | 100.0 | ... | 61.7 | 2.9 | 35.1 | .3 | | 100.0 | ... | 61.2 | 3.0 | 35.5 | .3 | |
| 15 - 17 | | 11 | .1 | 11 | | | | | 171 | 1.1 | 170 | | 1 | | |
| 18 - 19 | | 443 | 3.0 | 442 | | 1 | | | 1,017 | 6.8 | 1,004 | | 13 | | |
| 20 - 24 | | 3,491 | 23.3 | 3,320 | 1 | 168 | 2 | | 4,279 | 28.6 | 3,855 | 12 | 405 | 7 | |
| 25 - 29 | | 3,800 | 25.4 | 3,110 | 8 | 674 | 8 | | 4,017 | 26.8 | 2,763 | 21 | 1,223 | 10 | |
| 30 - 34 | | 2,721 | 18.2 | 1,554 | 9 | 1,142 | 16 | | 2,422 | 16.2 | 1,003 | 39 | 1,367 | 13 | |
| 35 - 39 | | 1,809 | 12.1 | 539 | 16 | 1,245 | 9 | | 1,349 | 9.0 | 274 | 46 | 1,024 | 5 | |
| 40 - 44 | | 929 | 6.2 | 152 | 18 | 757 | 2 | | 721 | 4.8 | 57 | 41 | 619 | 4 | |
| 45 - 49 | | 580 | 3.9 | 51 | 33 | 495 | 1 | | 414 | 2.8 | 21 | 56 | 336 | 1 | |
| 50 - 54 | | 426 | 2.8 | 26 | 43 | 356 | 1 | | 240 | 1.6 | 13 | 41 | 183 | 3 | |
| 55 - 59 | | 307 | 2.0 | 20 | 70 | 216 | 1 | | 152 | 1.0 | 4 | 62 | 85 | 1 | |
| 60 - 64 | | 213 | 1.4 | 6 | 84 | 122 | 1 | | 103 | .7 | 6 | 49 | 48 | | |
| 65 - 69 | | 122 | .8 | 7 | 68 | 46 | 1 | | 50 | .3 | 2 | 36 | 12 | | |
| 70 - 74 | | 74 | .5 | 5 | 50 | 19 | | | 35 | .2 | 3 | 30 | 2 | | |
| 75 & OVER | | 54 | .4 | 4 | 38 | 12 | | | 12 | .1 | | 9 | 3 | | |
| UNKNOWN | | 2 | | 1 | | 1 | | | | | | | | | |

TABLE 57

MARRIAGES BY OCCUPATION OF GROOM AND OF BRIDE
STATE OF HAWAII, 1984

| CODE OCC OF GROOM | TOTAL | PERCENT | OCCUPATION CODE OF BRIDE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | UNKNOWN |
| TOTAL | 14,982 | 100.0 | 3,836 | 2,255 | 1,099 | 3,844 | 1,077 | 203 | 168 | 1,652 | 7 | 49 | 789 | 3 |
| PERCENT | | | 25.6 | 15.1 | 7.3 | 25.7 | 7.2 | 1.4 | 1.1 | 11.0 | | .3 | 5.3 | |
| 0 NO OCCUPATION | 984 | 6.6 | 508 | 67 | 34 | 168 | 43 | 7 | 10 | 101 | 1 | 3 | 41 | 1 |
| 1 PRO,TECH &KIND | 2,509 | 16.7 | 330 | 1,040 | 223 | 547 | 141 | 24 | 13 | 171 | | 6 | 14 | |
| 2 FARM,MAN &OFFI | 2,294 | 15.3 | 387 | 363 | 387 | 689 | 189 | 32 | 19 | 216 | | 2 | 10 | |
| 3 CLER S KINDRED | 733 | 4.9 | 142 | 75 | 54 | 311 | 53 | 6 | 8 | 70 | | 2 | 12 | |
| 4 SALES WORKERS | 1,062 | 7.1 | 183 | 162 | 90 | 294 | 216 | 11 | 6 | 89 | | 2 | 9 | |
| 5 CRAFT,FOREMEN | 2,215 | 14.9 | 546 | 226 | 129 | 750 | 152 | 67 | 27 | 287 | 4 | 2 | 25 | |
| 6 OPERATIVES | 915 | 6.1 | 263 | 62 | 44 | 282 | 73 | 23 | 37 | 120 | | 2 | 9 | |
| 7 PRI HOUSEHOLD | 1,296 | 8.7 | 350 | 104 | 62 | 324 | 88 | 10 | 17 | 328 | | 3 | 10 | |
| 8 FARM LABORERS | 24 | .2 | 8 | 2 | 1 | 6 | 2 | | | 3 | 1 | 1 | | |
| 9 LABOR EX FARM | 527 | 3.5 | 186 | 34 | 24 | 115 | 31 | 6 | 14 | 86 | | 26 | 4 | 1 |
| 10 ARMED FORCES | 2,404 | 16.0 | 930 | 119 | 49 | 352 | 87 | 16 | 17 | 178 | 1 | | 655 | |
| UNKNOWN | 19 | .1 | 3 | 1 | 2 | 6 | 2 | 1 | | 3 | | | | 1 |

TABLE 58
MARRIAGES BY PREVIOUS MARITAL STATUS OF GROOM AND OF BRIDE
STATE OF HAWAII, 1984

| MARR. STAT. GROOM | TOTAL | PERCENT | MARITAL STATUS OF BRIDE | | | | |
|---|---|---|---|---|---|---|---|
| | | | NEVER MARRIED | WIDOWED | DIVORCED | ANNULMENT | UNKNOWN |
| TOTAL | 14,982 | 100.0 | 9,175 | 442 | 5,321 | 44 | |
| PERCENT | | | 61.2 | 3.0 | 35.5 | .3 | |
| NEVER MARRIED | 9,248 | 61.7 | 7,277 | 86 | 1,860 | 25 | |
| WIDOWED | 438 | 2.9 | 72 | 153 | 211 | 2 | |
| DIVORCED | 5,254 | 35.1 | 1,806 | 202 | 3,232 | 14 | |
| ANNULMENT | 42 | .3 | 20 | 1 | 16 | 3 | |
| UNKNOWN | | | | | | | |

TABLE 59
MARRIAGES BY NUMBER OF TIMES GROOM AND BRIDE PREVIOUSLY MARRIED
STATE OF HAWAII, 1984

| NO. GROOM MARRIED | TOTAL | PERCENT | TIMES PREVIOUSLY MARRIED - BRIDE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | NONE | 1 | 2 | 3 | 4 | 5 OR > | UNKNOWN |
| TOTAL | 14,982 | 100.0 | 9,175 | 4,642 | 981 | 155 | 25 | 4 | |
| PERCENT | | | 61.2 | 31.0 | 6.5 | 1.0 | .2 | | |
| NONE | 9,248 | 61.7 | 7,277 | 1,713 | 221 | 33 | 2 | 2 | |
| 1 | 4,516 | 30.1 | 1,612 | 2,317 | 500 | 74 | 13 | | |
| 2 | 1,337 | 8.9 | 251 | 539 | 209 | 32 | 5 | 1 | |
| 3 | 149 | 1.0 | 31 | 59 | 43 | 13 | 3 | 1 | |
| 4 | 24 | .2 | 3 | 10 | 8 | 2 | 1 | | |
| 5 & > | 8 | .1 | 1 | 5 | | 1 | 1 | | |
| UNKNOWN | | | | | | | | | |

TABLE 60
MARRIAGES BY RACE AND AGE OF GROOM
STATE OF HAWAII, 1984

| RACE OF GROOM | TOTAL | PERCENT | AGE OF GROOM | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75 & > | UNK |
| ALL RACES | 14,982 | 100.0 | 11 | 443 | 3491 | 3800 | 2721 | 1805 | 929 | 580 | 426 | 307 | 213 | 122 | 74 | 54 | 2 |
| CAUCASIAN | 8,437 | 56.3 | 2 | 141 | 1630 | 1866 | 1561 | 1240 | 661 | 438 | 318 | 227 | 155 | 86 | 55 | 28 | 1 |
| HAWAIIAN | 70 | .5 | | 2 | 15 | 17 | 12 | 6 | 4 | 4 | 4 | 4 | | 2 | | | |
| PART HAWN | 1,561 | 10.4 | 4 | 136 | 547 | 378 | 227 | 127 | 53 | 33 | 24 | 16 | 9 | 2 | 3 | 2 | |
| CHINESE | 513 | 3.4 | | 6 | 75 | 184 | 134 | 47 | 21 | 12 | 11 | 6 | 3 | 8 | 3 | 3 | |
| FILIPINO | 1,251 | 8.4 | 4 | 76 | 401 | 338 | 185 | 81 | 49 | 29 | 24 | 16 | 11 | 9 | 10 | 17 | 1 |
| JAPANESE | 1,628 | 10.9 | | 26 | 253 | 603 | 387 | 175 | 80 | 29 | 20 | 23 | 23 | 6 | 1 | 2 | |
| PUERTO RCN | 126 | .8 | | 5 | 30 | 33 | 10 | 10 | 8 | 3 | 6 | 1 | | | | | |
| KOREAN | 152 | 1.0 | | 2 | 28 | 50 | 21 | 21 | 12 | 3 | 3 | 4 | 4 | 3 | | 1 | |
| SAMOAN | 220 | 1.5 | | 16 | 90 | 56 | 22 | 13 | 8 | 2 | 1 | 2 | 3 | 3 | 1 | 1 | |
| NEGRO | 560 | 3.7 | | 20 | 252 | 136 | 70 | 35 | 16 | 10 | 7 | 2 | 2 | | | | |
| PORTUGUESE | 132 | .9 | 1 | 4 | 34 | 38 | 13 | 19 | 7 | 3 | 4 | 3 | 2 | 3 | 1 | | |
| VIETNAMESE | 29 | .2 | | 3 | 7 | 7 | 4 | 1 | 1 | 1 | 1 | | | | | | |
| OTHER | 307 | 2.0 | | 6 | 97 | 90 | 55 | 30 | 9 | 13 | 3 | 3 | 1 | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | |

TABLE 61
MARRIAGES BY RACE AND AGE OF BRIDE
STATE OF HAWAII, 1984

| RACE OF BRIDE | TOT | PERCENT | AGE OF BRIDE 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75 & > | UNK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL RACES | 14,982 | 100.0 | 171 | 1017 | 4279 | 4017 | 2422 | 1349 | 721 | 414 | 240 | 152 | 103 | 50 | 35 | 12 | |
| CAUCASIAN | 8,001 | 53.4 | 54 | 347 | 1928 | 2067 | 1489 | 879 | 511 | 293 | 163 | 115 | 76 | 38 | 28 | 11 | |
| HAWAIIAN | 56 | .4 | 2 | 12 | 10 | 14 | 5 | 2 | 4 | 1 | 2 | 1 | | 1 | 1 | 1 | |
| PART HAWN | 1,684 | 11.2 | 40 | 255 | 660 | 370 | 170 | 72 | 55 | 32 | 16 | 5 | 3 | 5 | 1 | | |
| CHINESE | 539 | 3.6 | 3 | 15 | 169 | 181 | 82 | 47 | 19 | 4 | 5 | 7 | 4 | 3 | | | |
| FILIPINO | 1,558 | 10.4 | 33 | 189 | 601 | 368 | 175 | 99 | 30 | 28 | 20 | 9 | 5 | 3 | 3 | | |
| JAPANESE | 1,793 | 12.0 | 6 | 65 | 461 | 708 | 311 | 133 | 51 | 25 | 19 | 9 | 5 | | | | |
| PUERTO RCN | 57 | .4 | 1 | 7 | 20 | 16 | 4 | 4 | 2 | 1 | 1 | | 1 | | | | |
| KOREAN | 339 | 2.3 | 4 | 10 | 73 | 79 | 70 | 50 | 26 | 14 | 5 | 4 | 3 | | 1 | | |
| SAMOAN | 189 | 1.3 | 6 | 30 | 86 | 26 | 14 | 10 | 4 | 7 | 1 | 1 | 3 | | 1 | | |
| NEGRO | 314 | 2.1 | 11 | 40 | 110 | 96 | 35 | 19 | 8 | 5 | | | | | | | |
| PORTUGUESE | 123 | .8 | | 18 | 51 | 18 | 18 | 9 | 2 | 2 | 4 | 1 | | | | | |
| VIETNAMESE | 49 | .3 | 2 | 2 | 8 | 8 | 13 | 10 | 4 | | 2 | | | | | | |
| OTHER | 280 | 1.9 | 4 | 27 | 102 | 76 | 36 | 25 | 5 | 2 | 2 | | 1 | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | |

TABLE 62
MARRIAGES BY RESIDENCE OF GROOM AND OF BRIDE
STATE OF HAWAII, 1984

| RESID OF GROOM | TOTAL RECORDED | PER CENT | RESIDENCE OF BRIDE TOTAL | COUNTY OF HAWAII TOTAL | HILO | BAL | COUNTY OF HONOLULU TOTAL | HONO | BAL | KALAWAO | COUNTY OF KAUAI TOTAL | KAUAI | NIIHAU | COUNTY OF MAUI TOTAL | LANAI | MAUI | MOLOKAI | NONRES | UNK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 14,982 | 100.0 | 9,625 | 850 | 294 | 556 | 7,592 | 3,721 | 3,871 | | 377 | 377 | | 806 | 12 | 755 | 39 | 5,357 | |
| STATE OF HAWAII | 9,640 | 64.3 | 9,245 | 828 | 282 | 546 | 7,259 | 3,560 | 3,699 | | 371 | 371 | | 787 | 12 | 736 | 39 | 395 | |
| COUNTY OF HAWAII | 845 | 5.6 | 833 | 811 | 277 | 534 | 21 | 14 | 7 | | | | | 3 | 1 | 1 | 1 | 10 | |
| CITY OF HILO | 295 | 2.0 | 295 | 284 | 249 | 35 | 10 | 7 | 3 | | | | | 1 | 1 | | | | |
| BAL. OF COUNTY | 550 | 3.7 | 540 | 527 | 28 | 499 | 11 | 7 | 4 | | | | | 2 | | 1 | 1 | 10 | |
| COUNTY OF HONOLUL | 7,617 | 50.8 | 7,252 | 16 | 5 | 11 | 7,200 | 3,528 | 3,672 | | 12 | 12 | | 24 | 1 | 19 | 4 | 365 | |
| CITY OF HONO. | 3,515 | 23.5 | 3,413 | 6 | 1 | 5 | 3,395 | 3,018 | 377 | | 6 | 6 | | 11 | | 9 | 2 | 97 | |
| BAL. OF COUNTY | 4,102 | 27.4 | 3,834 | 10 | 4 | 6 | 3,805 | 510 | 3,295 | | 6 | 6 | | 13 | 1 | 10 | 2 | 268 | |
| COUNTY OF KALAWAO | | | | | | | | | | | | | | | | | | | |
| COUNTY OF KAUAI | 382 | 2.5 | 376 | 1 | | 1 | 16 | 8 | 8 | | 357 | 357 | | 2 | | 2 | | 6 | |
| ISL OF KAUAI | 382 | 2.5 | 376 | 1 | | 1 | 16 | 8 | 8 | | 357 | 357 | | 2 | | 2 | | 6 | |
| ISL OF NIIHAU | | | | | | | | | | | | | | | | | | | |
| COUNTY OF MAUI | 796 | 5.3 | 782 | | | | 22 | 10 | 12 | | 2 | 2 | | 758 | 10 | 714 | 34 | 14 | |
| ISL OF LANAI | 10 | .1 | 10 | | | | | | | | | | | 10 | 9 | 1 | | | |
| ISL OF MAUI | 750 | 5.0 | 737 | | | | 21 | 9 | 12 | | 2 | 2 | | 714 | 1 | 712 | 1 | 13 | |
| ISL OF MOLOKAI | 36 | .2 | 35 | | | | 1 | 1 | | | | | | 34 | | 1 | 33 | 1 | |
| NONRESIDENTS | 5,342 | 35.7 | 330 | 22 | 12 | 10 | 333 | 161 | 172 | | 6 | 6 | | 19 | | 19 | | 4,962 | |
| UNKNOWN | | | | | | | | | | | | | | | | | | | |

TABLE 63
MARRIAGES BY RACE OF GROOM AND RACE OF BRIDE
STATE OF HAWAII, 1984

| RACE OF GROOM | TOTAL | PERCENT | RACE OF BRIDE | | | | | | | | | | | | | | OUT MARRIAGES | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTRICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETMESE | OTHER RACES | UNKN | TOTAL | RATE/1000 |
| ALL RACES | 14,982 | 100.0 | 8001 | 56 | 1684 | 539 | 1558 | 1793 | 57 | 339 | 189 | 314 | 123 | 49 | 280 | | 9011 | 334 |
| PERCENT | | | 53.4 | .4 | 11.2 | 3.6 | 10.4 | 12.0 | .4 | 2.3 | 1.3 | 2.1 | .8 | .3 | 1.9 | | 33.4 | 2.2 |
| CAUCASIAN | 8,437 | 56.3 | 6850 | 14 | 347 | 150 | 385 | 352 | 17 | 113 | 17 | 54 | 16 | 13 | 109 | | 1587 | 188 |
| HAWAIIAN | 70 | .5 | 20 | 7 | 28 | 1 | 5 | 4 | | | | 1 | 3 | | 1 | | 63 | 900 |
| PART HAWN | 1,561 | 10.4 | 307 | 13 | 695 | 40 | 220 | 173 | 6 | 26 | 9 | 1 | 27 | 1 | 43 | | 866 | 554 |
| CHINESE | 513 | 3.4 | 84 | 3 | 38 | 205 | 30 | 125 | 2 | 9 | 3 | 1 | 6 | 4 | 3 | | 308 | 600 |
| FILIPINO | 1,251 | 8.4 | 191 | 6 | 182 | 20 | 705 | 97 | 5 | 9 | 2 | 1 | 22 | 3 | 8 | | 546 | 436 |
| JAPANESE | 1,628 | 10.9 | 231 | 3 | 142 | 96 | 93 | 940 | 4 | 89 | 1 | 1 | 14 | 7 | 7 | | 688 | 422 |
| PUERTO RCN | 126 | .8 | 30 | 3 | 27 | 2 | 25 | 9 | 11 | 2 | 2 | 5 | 6 | 1 | 3 | | 115 | 912 |
| KOREAN | 152 | 1.0 | 11 | 1 | 11 | 6 | 8 | 33 | | 77 | | | | 1 | 4 | | 75 | 493 |
| SAMOAN | 220 | 1.5 | 21 | 2 | 39 | 2 | 11 | 9 | 1 | 2 | 122 | | 2 | | 9 | | 98 | 445 |
| NEGRO | 560 | 3.7 | 140 | 1 | 58 | 3 | 32 | 24 | 5 | 7 | 22 | 249 | 5 | 1 | 13 | | 311 | 555 |
| PORTUGUESE | 132 | .9 | 19 | 2 | 46 | 2 | 23 | 13 | 2 | 3 | 2 | | 17 | | 3 | | 115 | 871 |
| VIETNAMESE | 25 | .2 | 1 | | | 3 | 2 | 1 | | | | | | 17 | 1 | | 8 | 320 |
| OTHER | 307 | 2.0 | 90 | 1 | 71 | 9 | 19 | 13 | 4 | 2 | 9 | 1 | 5 | 1 | 76 | | 231 | 752 |
| UNKNOWN | | | | | | | | | | | | | | | | | | |
| OUT MARRIAGES | 5,011 | 33.4 | 1151 | 49 | 989 | 334 | 853 | 853 | 40 | 262 | 67 | 65 | 106 | 32 | 204 | | | |
| RATE/1000 | 334 | | 143 | 875 | 587 | 619 | 547 | 475 | 807 | 772 | 354 | 207 | 861 | 653 | 728 | | | |

TABLE 64
DIVORCES AND ANNULMENTS BY PLACE AND MONTH OF OCCURRENCE
STATE OF HAWAII, 1984

| COUNTY OF OCCURRENCE | | YEAR | | MONTH OF OCCURRENCE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | RATE* | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
| STATE OF HAWAII | NUMBER | 4,769 | 4.6 | 408 | 389 | 373 | 362 | 397 | 318 | 353 | 462 | 332 | 461 | 396 | 518 |
| | PERCENT | 100.0 | | 8.6 | 8.2 | 7.8 | 7.6 | 8.3 | 6.7 | 7.4 | 9.7 | 7.0 | 9.7 | 8.3 | 10.9 |
| HAWAII | | 427 | 4.0 | 20 | 43 | 28 | 30 | 41 | 53 | 31 | 43 | 26 | 45 | 36 | 34 |
| HONOLULU | | 3,779 | 4.7 | 330 | 299 | 310 | 277 | 309 | 230 | 276 | 355 | 271 | 354 | 322 | 446 |
| KAUAI | | 179 | 4.0 | 16 | 11 | 12 | 14 | 14 | 13 | 12 | 22 | 13 | 22 | 15 | 15 |
| MAUI | | 384 | 4.6 | 42 | 36 | 23 | 41 | 33 | 22 | 34 | 42 | 22 | 40 | 23 | 23 |
| UNKNOWN | | | | | | | | | | | | | | | |

*RATE PER 1,000 RESIDENT POPULATION

TABLE 65
DIVORCES AND ANNULMENTS BY NUMBER OF CHILDREN REPORTED UNDER 18 YEARS
STATE OF HAWAII, 1984

| TYPE OF DECREE | | TOTAL | | NUMBER OF CHILDREN REPORTED UNDER 18 YEARS OF AGE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | NONE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | > 9 | UNKNOWN |
| TOTAL | NUMBER | 4,769 | 100.0 | 2187 | 1173 | 935 | 331 | 94 | 31 | 5 | 1 | | | 1 | 11 |
| | PERCENT | 100.0 | | 45.9 | 24.6 | 19.6 | 6.9 | 2.0 | .7 | .1 | | | | | .2 |
| DIVORCES | | 4,758 | 99.8 | 2179 | 1172 | 934 | 330 | 94 | 31 | 5 | 1 | | | 1 | 11 |
| ANNULMENTS | | 11 | .2 | 8 | 1 | 1 | 1 | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | |

TABLE 66
DIVORCES AND ANNULMENTS BY RACE AND AGE OF HUSBAND
STATE OF HAWAII, 1984

| RACE OF HUSBAND | | ALL AGES | | AGE OF HUSBAND | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | UNDER 18 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75 & OVER | UNKNOWN |
| ALL RACES | NUMBER | 4,769 | 100.0 | | 13 | 550 | 1012 | 1028 | 855 | 501 | 291 | 199 | 119 | 75 | 43 | 27 | 23 | 36 |
| | PERCENT | 100.0 | | | .2 | 11.5 | 21.2 | 21.6 | 17.9 | 10.5 | 6.1 | 4.2 | 2.5 | 1.6 | .9 | .6 | .5 | .8 |
| CAUCASIAN | | 2,190 | 45.9 | | 8 | 283 | 461 | 442 | 404 | 219 | 133 | 94 | 53 | 33 | 22 | 11 | 5 | 22 |
| HAWAIIAN | | 45 | .9 | | | 6 | 5 | 13 | 7 | 9 | 2 | 1 | | | 1 | | | 1 |
| PART HAWAIIAN | | 579 | 12.1 | | 1 | 71 | 113 | 128 | 115 | 66 | 42 | 20 | 8 | 7 | 2 | 2 | | 3 |
| CHINESE | | 174 | 3.6 | | 1 | 9 | 31 | 39 | 30 | 19 | 17 | 12 | 8 | 1 | 1 | 1 | 4 | 1 |
| FILIPINO | | 515 | 10.8 | | | 41 | 114 | 124 | 64 | 53 | 34 | 24 | 15 | 9 | 7 | 12 | 13 | 5 |
| JAPANESE | | 615 | 12.9 | | | 26 | 116 | 150 | 127 | 80 | 45 | 26 | 23 | 16 | 6 | | | |
| PUERTO RICAN | | 72 | 1.5 | | | 16 | 20 | 7 | 5 | 12 | 2 | 4 | 2 | 3 | 1 | | | |
| KOREAN | | 114 | 2.4 | | | 3 | 25 | 24 | 31 | 12 | 7 | 6 | 4 | 1 | 1 | | | |
| SAMOAN | | 41 | .9 | | | 5 | 10 | 8 | 9 | 4 | 2 | | 1 | | | | 1 | 1 |
| NEGRO | | 234 | 4.9 | | | 68 | 81 | 43 | 24 | 9 | | 3 | | | | | | 1 |
| PORTUGUESE | | 69 | 1.4 | | | 7 | 9 | 13 | 15 | 8 | 2 | 6 | 4 | 3 | 2 | | | |
| VIETNAMESE | | 8 | .2 | | | | 2 | 2 | 1 | 1 | 2 | | | | | | | |
| OTHER RACES | | 113 | 2.4 | | | 14 | 25 | 30 | 23 | 9 | 3 | 3 | 1 | 2 | | 1 | | 2 |
| UNKNOWN | | 1 | | | | 1 | | | | | | | | | | | | |

TABLE 67
DIVORCES AND ANNULMENTS BY RACE AND AGE OF WIFE
STATE OF HAWAII, 1984

| RACE OF WIFE | | ALL AGES | | AGE OF WIFE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | UNDER 18 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75 & OVER | UNKNOWN |
| ALL RACES | NUMBER | 4,769 | 100.0 | 5 | 55 | 786 | 1255 | 1035 | 700 | 392 | 207 | 119 | 91 | 50 | 19 | 11 | 5 | 39 |
| | PERCENT | 100.0 | | .1 | 1.2 | 16.5 | 26.3 | 21.7 | 14.7 | 8.2 | 4.3 | 2.5 | 1.9 | 1.0 | .4 | .2 | .1 | .8 |
| CAUCASIAN | | 2,076 | 43.5 | 4 | 25 | 393 | 524 | 415 | 313 | 181 | 81 | 49 | 35 | 24 | 8 | 4 | 4 | 16 |
| HAWAIIAN | | 49 | 1.0 | | | 7 | 11 | 10 | 7 | 8 | 2 | 2 | | | | 1 | | 1 |
| PART HAWAIIAN | | 554 | 11.6 | | 7 | 88 | 160 | 122 | 75 | 49 | 21 | 7 | 13 | 4 | 3 | 1 | | 2 |
| CHINESE | | 173 | 3.6 | | 2 | 22 | 45 | 40 | 27 | 12 | 12 | 5 | 3 | 2 | 1 | 1 | 1 | |
| FILIPINO | | 573 | 12.0 | | 8 | 103 | 167 | 108 | 74 | 38 | 32 | 10 | 13 | 4 | 4 | 1 | | 9 |
| JAPANESE | | 674 | 14.1 | 1 | 3 | 63 | 158 | 179 | 122 | 50 | 36 | 28 | 14 | 11 | 3 | 1 | | 5 |
| PUERTO RICAN | | 46 | 1.0 | | 1 | 13 | 8 | 9 | 3 | 3 | 4 | 1 | 3 | 1 | | | | |
| KOREAN | | 259 | 5.4 | | | 18 | 83 | 70 | 37 | 26 | 11 | 8 | 3 | 2 | | | | 1 |
| SAMOAN | | 40 | .8 | | 1 | 3 | 12 | 11 | 6 | 2 | 2 | 2 | | 1 | | | | |
| NEGRO | | 133 | 2.8 | | 3 | 50 | 43 | 24 | 6 | 3 | 2 | 2 | | | | | | |
| PORTUGUESE | | 45 | .9 | | 1 | 7 | 8 | 7 | 7 | 6 | | 4 | 3 | | | 2 | | |
| VIETNAMESE | | 29 | .6 | | | | 3 | 12 | 7 | 4 | 2 | | | | | | | 1 |
| OTHER RACES | | 118 | 2.5 | | 2 | 19 | 31 | 28 | 16 | 10 | 2 | 1 | 4 | 1 | | | | 4 |
| UNKNOWN | | | | | | | | | | | | | | | | | | |

TABLE 68
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND AND OF WIFE
STATE OF HAWAII, 1984

| RACE OF HUSBAND | | ALL RACES | | RACE OF WIFE | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | CAUCASIAN | HAWN | PART HAWN | CHINESE | FILIPINO | JAPANESE | PUERTO RICAN | KOREAN | SAMOAN | NEGRO | PORTUGUESE | VIETNAMESE | OTHER RACES | UNKNOWN |
| ALL RACES | NUMBER | 4,769 | 100.0 | 2076 | 49 | 554 | 173 | 573 | 674 | 46 | 259 | 40 | 133 | 45 | 29 | 118 | |
| | PERCENT | 100.0 | | 43.5 | 1.0 | 11.6 | 3.6 | 12.0 | 14.1 | 1.0 | 5.4 | .8 | 2.8 | .9 | .6 | 2.5 | |
| CAUCASIAN | | 2,190 | 45.9 | 1593 | 14 | 96 | 54 | 118 | 144 | 4 | 77 | 14 | 11 | 7 | 16 | 42 | |
| HAWAIIAN | | 45 | .9 | 16 | 7 | 6 | | 5 | 4 | 1 | 1 | | 1 | 1 | | 3 | |
| PART HAWAIIAN | | 576 | 12.1 | 157 | 9 | 217 | 10 | 64 | 74 | 6 | 17 | 2 | 1 | 11 | | 10 | |
| CHINESE | | 174 | 3.6 | 35 | 1 | 23 | 62 | 10 | 28 | | 10 | | | 1 | 1 | 3 | |
| FILIPINO | | 515 | 10.8 | 73 | 5 | 63 | 10 | 296 | 43 | 3 | 5 | 2 | | 5 | 2 | 8 | |
| JAPANESE | | 615 | 12.9 | 94 | 4 | 61 | 23 | 35 | 339 | 1 | 44 | | | 6 | 2 | 6 | |
| PUERTO RICAN | | 72 | 1.5 | 11 | | 14 | 1 | 10 | 8 | 20 | 3 | 1 | 1 | 2 | | 1 | |
| KOREAN | | 114 | 2.4 | 9 | | 5 | 2 | 1 | 11 | | 85 | | | | | 1 | |
| SAMOAN | | 41 | .9 | 6 | | 9 | | 4 | 2 | | 2 | 18 | | | | | |
| NEGRO | | 234 | 4.9 | 42 | 5 | 15 | 5 | 11 | 8 | 7 | 13 | 3 | 114 | 4 | | 6 | |
| PORTUGUESE | | 69 | 1.4 | 8 | 1 | 26 | 3 | 11 | 7 | 2 | | | | 10 | 1 | | |
| VIETNAMESE | | 8 | .2 | | | | | | 1 | | | | | | 7 | | |
| OTHER RACES | | 113 | 2.4 | 31 | 3 | 15 | 3 | 8 | 5 | 2 | 2 | | 1 | 1 | | 38 | |
| UNKNOWN | | 1 | | 1 | | | | | | | | | | | | | |

TABLE 69
DIVORCES AND ANNULMENTS BY LEGAL GROUNDS AND DURATION OF MARRIAGE
STATE OF HAWAII, 1984

| LEGAL GROUNDS | | TOTAL | | DURATION OF MARRIAGE IN YEARS | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | UNDER 1 | 1 | 2 | 3 | 4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40 & OVER | UNKNOWN |
| DIVORCES & ANNULMENTS | NUMBER | 4,769 | 100.0 | 205 | 473 | 469 | 479 | 463 | 1367 | 709 | 342 | 197 | 60 | | 1 | | 4 |
| | PERCENT | 100.0 | | 4.3 | 9.9 | 9.8 | 10.0 | 9.7 | 28.7 | 14.9 | 7.2 | 4.1 | 1.3 | | | | .1 |
| ABSOLUTE DIVORCES * | | 4,758 | 99.8 | 200 | 471 | 469 | 479 | 462 | 1366 | 709 | 341 | 196 | 60 | | 1 | | 4 |
| MARR.IRRETR.BROKEN | | 4,740 | 99.4 | 199 | 471 | 468 | 479 | 462 | 1359 | 704 | 337 | 196 | 60 | | 1 | | 4 |
| SEPARATION | | 17 | .4 | 1 | | 1 | | | 7 | 4 | 4 | | | | | | |
| GRIEV.MENTAL SUFF. | | 1 | | | | | | | | 1 | | | | | | | |
| OTHER | | | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | |
| ANNULMENTS | | 11 | .2 | 5 | 2 | | | 1 | 1 | | 1 | 1 | | | | | |
| MINOR | | | | | | | | | | | | | | | | | |
| UNDIV.SPOUSE ALIVE | | 9 | .2 | 4 | 1 | | | 1 | 1 | | 1 | 1 | | | | | |
| DID NOT COHABIT | | | | | | | | | | | | | | | | | |
| FAILURE TO PROVIDE | | | | | | | | | | | | | | | | | |
| PHYS. INCOMPATIBLE | | | | | | | | | | | | | | | | | |
| FRAUD | | 2 | | 1 | 1 | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | | | | | | |
| UNKNOWN | | | | | | | | | | | | | | | | | |

* INCLUDES TYPE OF DECREE UNSPECIFIED.

TABLE 70
DIVORCES AND ANNULMENTS BY EDUCATION OF HUSBAND AND OF WIFE
STATE OF HAWAII, 1984

| EDUCATION OF HUSBAND YEARS OF SCHOOL | | TOTAL | | EDUCATION OF WIFE - YEARS IN SCHOOL | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | GRADE SCHOOL | | | | | | | COLLEGE | | | UN- |
| | | NUMBER | PERCENT | NONE | 1-4 | 5-6 | 7-8 | 9 | 10 | 11 | 12 | 1-3 | 4 | 5+ | KNOWN |
| TOTAL | NUMBER | 4,769 | 100.0 | 5 | 34 | 78 | 70 | 88 | 168 | 183 | 2271 | 1099 | 463 | 219 | 91 |
| | PERCENT | 100.0 | | .1 | .7 | 1.6 | 1.5 | 1.8 | 3.5 | 3.8 | 47.6 | 23.0 | 9.7 | 4.6 | 1.9 |
| NONE | | 6 | .1 | 1 | | 2 | | | | | | | | | 3 |
| GRADE SCHOOL: 1 - 4 | | 22 | .5 | 1 | 3 | 2 | | 1 | 2 | | 4 | 3 | 2 | 1 | 3 |
| 5 - 6 | | 47 | 1.0 | 1 | 5 | 16 | 3 | 2 | 6 | | 8 | 2 | 2 | | 2 |
| 7 - 8 | | 68 | 1.4 | | | 7 | 11 | | 5 | 5 | 29 | 7 | 1 | | 3 |
| 9 | | 74 | 1.6 | | 1 | 2 | 1 | 7 | 6 | 8 | 41 | 5 | | | 3 |
| 10 | | 163 | 3.4 | | | 2 | 7 | 6 | 17 | 9 | 81 | 24 | 6 | | 11 |
| 11 | | 156 | 3.3 | | | 2 | 4 | 4 | 13 | 20 | 79 | 24 | 7 | | 3 |
| 12 | | 2,150 | 45.1 | 2 | 9 | 31 | 25 | 42 | 83 | 96 | 1370 | 351 | 88 | 17 | 36 |
| COLLEGE: 1 - 3 | | 1,052 | 22.1 | | 7 | 4 | 9 | 12 | 22 | 31 | 415 | 406 | 98 | 36 | 12 |
| 4 | | 563 | 11.8 | | 2 | 2 | 6 | 4 | 3 | 1 | 146 | 158 | 180 | 56 | 5 |
| 5+ | | 331 | 6.9 | | | | 2 | 1 | | 5 | 47 | 93 | 74 | 106 | 3 |
| UNKNOWN | | 137 | 2.9 | | 7 | 8 | 2 | 9 | 11 | 8 | 51 | 26 | 5 | 3 | 7 |

TABLE 71
DIVORCES AND ANNULMENTS BY RESIDENCE OF HUSBAND AND OF WIFE
STATE OF HAWAII, 1984

| RESIDENCE OF HUSBAND | RESIDENCE OF WIFE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | STATE OF HAWAII | | | | | | | | | | | | |
| | TOTAL RECORDED | TOTAL | COUNTY OF HAWAII | | | COUNTY OF HONOLULU | | | COUNTY OF KAUAI | COUNTY OF MAUI | | | | UN- KNOWN | NON- RESI- DENT |
| | | | TOTAL | HILO | BAL. | TOTAL | HON. | BAL. | | TOTAL | MAUI | LANAI | MOLOKAI | | |
| TOTAL RECORDED | 4,769 | 4,156 | 387 | 149 | 238 | 3,236 | 1,641 | 1,595 | 160 | 342 | 320 | 5 | 17 | 31 | 613 |
| STATE OF HAWAII | 4,150 | 3,538 | 356 | 141 | 215 | 2,709 | 1,382 | 1,327 | 137 | 305 | 284 | 4 | 17 | 31 | 612 |
| COUNTY OF HAWAII | 386 | 344 | 305 | 121 | 184 | 32 | 20 | 12 | | 2 | 2 | | | 5 | 42 |
| CITY OF HILO | 124 | 114 | 108 | 92 | 16 | 4 | 2 | 2 | | | | | | 2 | 10 |
| BALANCE OF COUNTY | 262 | 230 | 197 | 29 | 168 | 28 | 18 | 10 | | 2 | 2 | | | 3 | 32 |
| COUNTY OF HONOLULU | 3,216 | 2,692 | 41 | 18 | 23 | 2,599 | 1,322 | 1,277 | 11 | 26 | 22 | | 4 | 15 | 524 |
| CITY OF HONOLULU | 1,546 | 1,350 | 21 | 11 | 10 | 1,295 | 985 | 310 | 8 | 15 | 12 | | 3 | 11 | 196 |
| BALANCE OF COUNTY | 1,670 | 1,342 | 20 | 7 | 13 | 1,304 | 337 | 967 | 3 | 11 | 10 | | 1 | 4 | 328 |
| COUNTY OF KAUAI | 155 | 144 | 1 | | 1 | 16 | 9 | 7 | 124 | 3 | 3 | | | | 11 |
| COUNTY OF MAUI | 351 | 316 | 2 | 1 | 1 | 32 | 15 | 17 | 1 | 270 | 253 | 4 | 13 | 11 | 35 |
| ISLAND OF MAUI | 330 | 295 | 2 | 1 | 1 | 28 | 13 | 15 | 1 | 253 | 253 | | | 11 | 35 |
| ISLAND OF LANAI | 5 | 5 | | | | 1 | | 1 | | 4 | | 4 | | | |
| ISLAND OF MOLOKAI | 16 | 16 | | | | 3 | 2 | 1 | | 13 | | | 13 | | |
| UNKNOWN | 42 | 42 | 7 | 1 | 6 | 30 | 16 | 14 | 1 | 4 | 4 | | | | |
| NONRESIDENT | 619 | 618 | 31 | 8 | 23 | 527 | 259 | 268 | 23 | 37 | 36 | 1 | | | 1 |

TABLE 72
DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND OF WIFE
STATE OF HAWAII, 1984

| AGE OF HUSBAND | | ALL AGES | | AGE OF WIFE | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NUMBER | PERCENT | UNDER 18 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75 & OVER | UNKNOWN |
| ALL AGES | NUMBER | 4,769 | 100.0 | 5 | 55 | 786 | 1255 | 1035 | 700 | 392 | 207 | 119 | 91 | 50 | 19 | 11 | 5 | 39 |
| | PERCENT | 100.0 | | .1 | 1.2 | 16.5 | 26.3 | 21.7 | 14.7 | 8.2 | 4.3 | 2.5 | 1.9 | 1.0 | .4 | .2 | .1 | .8 |
| UNDER 18 | | | | | | | | | | | | | | | | | | |
| 18 - 19 | | 10 | .2 | 1 | 3 | 6 | | | | | | | | | | | | |
| 20 - 24 | | 550 | 11.5 | 2 | 36 | 374 | 106 | 19 | 8 | 3 | 1 | | | | | | | 1 |
| 25 - 29 | | 1,012 | 21.2 | 2 | 10 | 275 | 548 | 127 | 29 | 12 | 2 | 2 | | | | | | 5 |
| 30 - 34 | | 1,028 | 21.6 | | 3 | 81 | 380 | 449 | 80 | 21 | 5 | 3 | | | | | | 6 |
| 35 - 39 | | 855 | 17.9 | | | 33 | 136 | 305 | 292 | 57 | 19 | 3 | 2 | | | | | 6 |
| 40 - 44 | | 501 | 10.5 | | | 7 | 46 | 76 | 173 | 150 | 25 | 10 | 4 | | 1 | | 1 | 8 |
| 45 - 49 | | 291 | 6.1 | | | 3 | 9 | 26 | 61 | 95 | 71 | 10 | 7 | 4 | | | | 5 |
| 50 - 54 | | 199 | 4.2 | | | 1 | 7 | 10 | 29 | 26 | 50 | 52 | 17 | 3 | 1 | 1 | | 2 |
| 55 - 59 | | 119 | 2.5 | | | 1 | 2 | 3 | 10 | 17 | 18 | 23 | 26 | 9 | 1 | 2 | | 2 |
| 60 - 64 | | 75 | 1.6 | | 1 | 1 | 2 | 3 | 4 | 4 | 3 | 11 | 19 | 20 | 4 | 1 | | 2 |
| 65 - 69 | | 43 | .9 | | | | 1 | 3 | 4 | 5 | 6 | 3 | 7 | 7 | 4 | 3 | | |
| 70 - 74 | | 27 | .6 | | | 1 | 2 | 1 | 1 | 1 | 2 | | 5 | 3 | 6 | 3 | | 2 |
| 75 & OVER | | 23 | .5 | | | | 3 | 1 | 3 | | 4 | 2 | 2 | 2 | 1 | 1 | 4 | |
| UNKNOWN | | 36 | .8 | | 2 | 3 | 11 | 7 | 6 | 1 | 1 | | 2 | 2 | 1 | | | |

## HAWAII TUMOR REGISTRY

The total number of resident cancer cases reported in Hawaii in 1983 (the most recent year of complete registration) was 2,975, a 4.3% increase over the number of cases (2,852) reported in 1982. The 1,601 male cases represented an increase of 108 (or 7.2%) over the previous year. The 1,374 female cases represented an increase of 15 (or 1.1%) over the previous year.

The sites of the three most common cancers among resident males in 1983 continue to be lung, prostate, and colon in that order. (Stomach cancer regained third place among Japanese males.) Among resident females the sites of the three most common cancers in 1983 were breast, colon, and uterus. (Reports of lung cancer in resident females decreased by about 38% in 1983.)

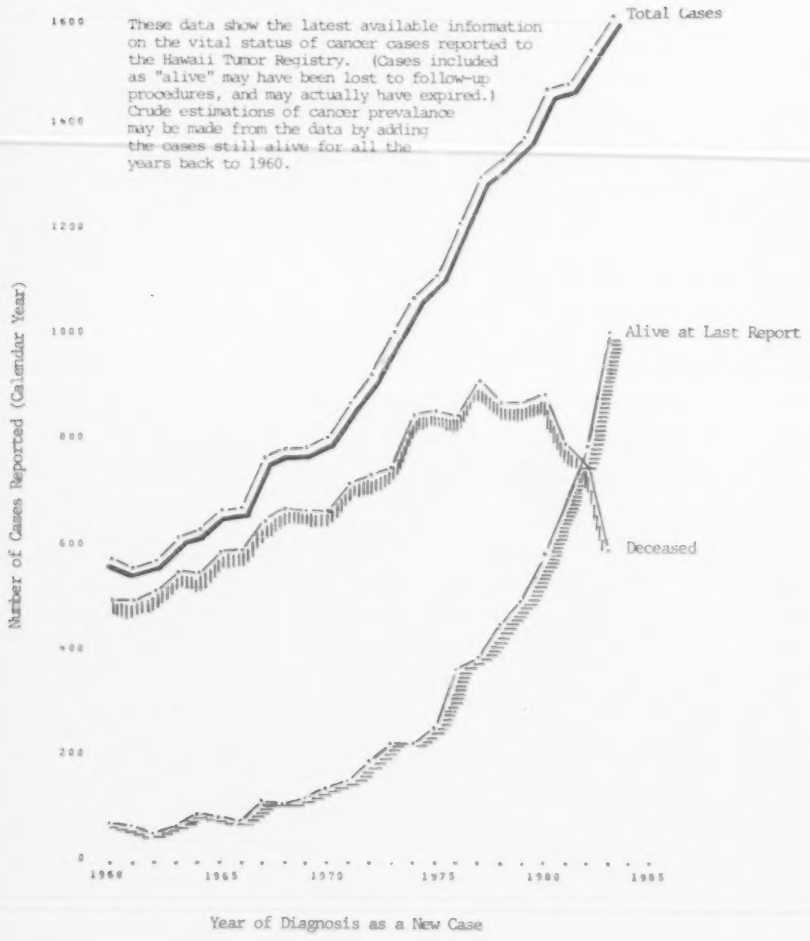
In 1983, cancer of the lung was the most common malignant disease in Caucasian, Filipino, Hawaiian or part-Hawaiian, and Japanese resident males. Cancer of the prostate was most common among resident Filipino (tied with lung) and Chinese males. Breast cancer was the most common malignant disease among female residents in 1983.

The median age-at-diagnosis for resident males in 1983 was 67.0 years. The median age-at-diagnosis for resident females in 1983 was 62.0 years. (For comparison, the two median ages in 1982 were 66.8 years for males and 61.3 years for females.)

Of the 1,601 male resident cases registered in 1983, 1,006 (or 62.8%) were alive at last report.

Of the 1,374 female resident cases registered in 1983, 1,043 (or 75.9%) were alive at last report.

VITAL STATUS OF *MALE* RESIDENT CASES, 1960-1983, ALL SITES


These data show the latest available information on the vital status of cancer cases reported to the Hawaii Tumor Registry. (Cases included as "alive" may have been lost to follow-up procedures, and may actually have expired.) Crude estimations of cancer prevalance may be made from the data by adding the cases still alive for all the years back to 1960.
Total Cases
Alive at Last Report
Deceased
Number of Cases Reported (Calendar Year)
1600
1400
1200
1000
800
600
400
200
0
1960
1965
1970
1975
1980
1985
Year of Diagnosis as a New Case

VITAL STATUS OF *FEMALE* RESIDENT CASES, 1960-1983, ALL SITES

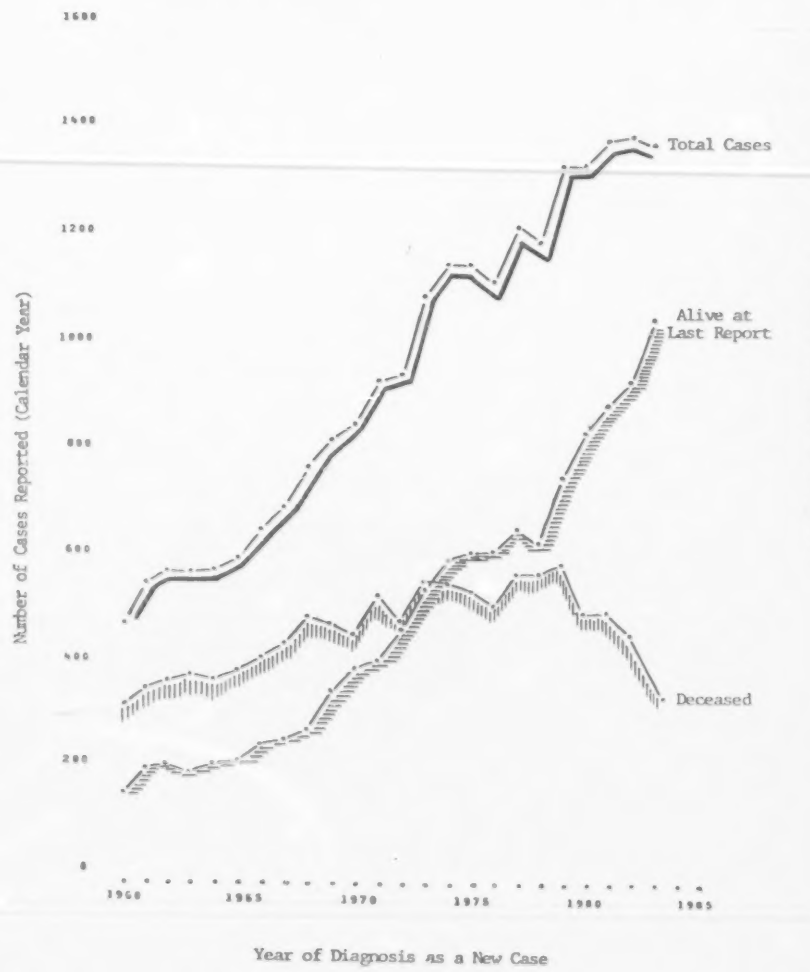


TABLE 1

MOST COMMON CANCERS REPORTED BY SITE AND RACE
MALE RESIDENTS
STATE OF HAWAII, 1983

| SITE | Total All Races | RACE | | | | | |
|---|---|---|---|---|---|---|---|
| | | Caucasian | Chinese | Filipino | Hawaiian | Japanese | Other |
| Total All Sites | 1601 | 520 | 92 | 184 | 174 | 519 | 112 |
| Bladder | 89 | 45 | 6 | 3 | 7 | 22 | 6 |
| Colon | 167 | 44 | 12 | 17 | 16 | 67 | 11 |
| Leukemia | 46 | 15 | 1 | 4 | 6 | 15 | 5 |
| Liver | 36 | 4 | 7 | 6 | 3 | 14 | 2 |
| Lung | 280 | 90 | 10 | 29 | 46 | 87 | 18 |
| Melanoma | 45 | 35 | - | 2 | 1 | - | 7 |
| Pancreas | 52 | 10 | 6 | 2 | 6 | 27 | 1 |
| Prostate | 224 | 83 | 15 | 29 | 17 | 73 | 7 |
| Rectum | 104 | 31 | 4 | 14 | 11 | 39 | 5 |
| Stomach | 134 | 19 | 8 | 12 | 18 | 69 | 8 |
| Other | 424 | 144 | 23 | 66 | 43 | 106 | 42 |

TABLE 2

MOST COMMON CANCERS REPORTED BY SITE AND RACE
FEMALE RESIDENTS
STATE OF HAWAII, 1983

| SITE | Total All Races | RACE | | | | | |
|---|---|---|---|---|---|---|---|
| | | Caucasian | Chinese | Filipino | Hawaiian | Japanese | Other |
| Total All Sites | 1374 | 471 | 90 | 121 | 185 | 382 | 125 |
| Breast | 376 | 124 | 28 | 29 | 67 | 102 | 26 |
| Cervix | 87 | 33 | 1 | 8 | 13 | 14 | 18 |
| Uterus | 104 | 31 | 7 | 8 | 17 | 31 | 10 |
| Colon | 129 | 37 | 9 | 11 | 9 | 54 | 9 |
| Lung | 85 | 40 | 4 | 7 | 14 | 13 | 7 |
| Ovary | 54 | 16 | 5 | 6 | 8 | 15 | 4 |
| Rectum | 65 | 28 | 4 | 6 | 3 | 20 | 4 |
| Stomach | 66 | 5 | 6 | 5 | 11 | 34 | 5 |
| Thyroid | 45 | 12 | 2 | 11 | 6 | 11 | 3 |
| Other | 363 | 145 | 24 | 30 | 37 | 88 | 39 |

TABLE 3

HAWAII TUMOR REGISTRATIONS
RACE AND AGE
MALE
STATE OF HAWAII, 1983

| AGE | Total All Races | RACE | | | | | |
|---|---|---|---|---|---|---|---|
| | | Caucasian | Chinese | Filipino | Hawaiian | Japanese | Other |
| Total All Ages | 1601 | 520 | 92 | 184 | 174 | 519 | 112 |
| 0 - 1 Year | 3 | - | - | - | 1 | - | 2 |
| 1 - 4 Years | 7 | 2 | - | - | 2 | 2 | 1 |
| 5 - 14 Years | 13 | 5 | - | - | 3 | 2 | 3 |
| 15 - 24 Years | 23 | 12 | 2 | 4 | 1 | 2 | 2 |
| 25 - 34 Years | 43 | 21 | 3 | 4 | 1 | 7 | 7 |
| 35 - 44 Years | 76 | 24 | - | 10 | 11 | 16 | 15 |
| 45 - 54 Years | 133 | 46 | 5 | 14 | 21 | 36 | 11 |
| 55 - 64 Years | 398 | 125 | 29 | 25 | 50 | 140 | 29 |
| 65 - 74 Years | 510 | 176 | 33 | 57 | 62 | 164 | 18 |
| 75 + Years | 384 | 109 | 19 | 70 | 22 | 149 | 15 |
| Unknown | 11 | - | 1 | - | - | 1 | 9 |

TABLE 4

HAWAII TUMOR REGISTRATIONS
RACE AND AGE
FEMALE
STATE OF HAWAII, 1983

| AGE | Total All Races | RACE | | | | | |
|---|---|---|---|---|---|---|---|
| | | Caucasian | Chinese | Filipino | Hawaiian | Japanese | Other |
| Total All Ages | 1374 | 471 | 90 | 121 | 185 | 382 | 125 |
| 0 - 1 Year | 1 | - | 1 | - | - | - | - |
| 1 - 4 Years | 4 | - | - | 1 | 1 | - | 2 |
| 5 - 14 Years | 7 | - | - | 2 | 3 | - | 2 |
| 15 - 24 Years | 25 | 11 | 1 | 4 | 2 | 3 | 4 |
| 25 - 34 Years | 86 | 27 | 3 | 10 | 18 | 14 | 14 |
| 35 - 44 Years | 128 | 42 | 4 | 20 | 21 | 22 | 19 |
| 45 - 54 Years | 220 | 60 | 16 | 24 | 30 | 65 | 25 |
| 55 - 64 Years | 309 | 108 | 22 | 31 | 37 | 98 | 13 |
| 65 - 74 Years | 315 | 129 | 23 | 16 | 39 | 89 | 19 |
| 75 + Years | 275 | 94 | 20 | 13 | 34 | 91 | 23 |
| Unknown | 4 | - | - | - | - | - | 4 |

TABLE 5
HAWAII TUMOR REGISTRATIONS, RECENT YEARS
VITAL STATUS
MALE
STATE OF HAWAII

| VITAL STATUS | YEAR OF DIAGNOSIS | | | |
|---|---|---|---|---|
| | 1980 | 1981 | 1982 | 1983 |
| Alive, no cancer reported | 350 | 413 | 494 | 574 |
| Alive, cancer present | 102 | 128 | 186 | 328 |
| Alive, cancer status unknown | 131 | 143 | 109 | 104 |
| Expired, no cancer present | 55 | 46 | 45 | 26 |
| Expired, cancer present | 814 | 736 | 689 | 558 |
| Expired, cancer status unknown | 15 | 10 | 18 | 11 |
| TOTAL | 1467 | 1476 | 1541 | 1601 |

TABLE 6
HAWAII TUMOR REGISTRATIONS, RECENT YEARS
VITAL STATUS
FEMALE

| VITAL STATUS | YEAR OF DIAGNOSIS | | | |
|---|---|---|---|---|
| | 1980 | 1981 | 1982 | 1983 |
| Alive, no cancer reported | 608 | 627 | 659 | 768 |
| Alive, cancer present | 61 | 79 | 131 | 187 |
| Alive, cancer status unknown | 164 | 176 | 142 | 88 |
| Expired, no cancer present | 26 | 24 | 11 | 11 |
| Expired, cancer present | 464 | 465 | 436 | 306 |
| Expired, cancer status unknown | 8 | 10 | 9 | 14 |
| TOTAL | 1331 | 1381 | 1388 | 1374 |

TABLE 7
TUMOR STATUS IN LIVING PATIENTS, RECENT YEARS
MALE
STATE OF HAWAII

| TUMOR STATUS | YEAR OF DIAGNOSIS | | | |
|---|---|---|---|---|
| | 1980 | 1981 | 1982 | 1983 |
| No evidence of disease | 350 | 413 | 494 | 574 |
| Residual disease | 35 | 48 | 84 | 118 |
| Recurrent disease | 9 | 19 | 15 | 20 |
| Metastatic disease | 51 | 52 | 80 | 175 |
| Tumor status unknown / | 131 | 143 | 109 | 104 |
| Other cancer present | 7 | 9 | 7 | 15 |
| TOTAL | 583 | 684 | 789 | 1006 |

TABLE 8
TUMOR STATUS IN LIVING PATIENTS, RECENT YEARS
FEMALE

| TUMOR STATUS | YEAR OF DIAGNOSIS | | | |
|---|---|---|---|---|
| | 1980 | 1981 | 1982 | 1983 |
| No evidence of disease | 608 | 627 | 659 | 768 |
| Residual disease | 14 | 21 | 41 | 64 |
| Recurrent disease | 8 | 7 | 14 | 12 |
| Metastatic disease | 33 | 48 | 69 | 102 |
| Tumor status unknown | 164 | 176 | 142 | 88 |
| Other cancer present | 5 | 3 | 7 | 8 |
| Cancer present, origin unknown | 1 | - | - | 1 |
| TOTAL | 833 | 882 | 932 | 1043 |

# HAWAII HEALTH SURVEILLANCE PROGRAM

## 1984

The Hawaii Health Surveillance Program administers a continuous statewide household survey of health and socio-demographic conditions of the state. The survey is conducted as a means of providing Health Department programs and other state and private agencies with statistics for planning and evaluation of health services, programs, and problems. Furthermore, the survey provides demographic information for observing population changes during the intercensal decade.

The households interviewed in the Health Survey are selected systematically from a target population limited to the non-institutional population. During the year 1984, 5,796 households participated, for a total of 17,501 persons. Persons excluded from our sample are those living in military barracks, nursing homes or rest homes, prisons, dormitories, the Island of Niihau, and Kalaupapa Settlement.* Because of the exclusion of this group, the health characteristics of the non-institutionalized population can be affected since institutionalization is often contingent upon the health of the person.

The tables which follow are shown in five groups. The first group, Tables 1-14, show the prevalence and number per 1,000 persons per year of selected chronic conditions by geographic area, sex, age, and ethnicity. A comparison of the number of chronic conditions per 1,000 persons per year from 1979 through 1984 are shown in Table 15. The geographic areas used for Oahu include census tracts 1-45 for East Honolulu, 46-66 for West Honolulu, 67-95 and 99-100 for Central Oahu, 96-98 for Waianae, and 101-113 for Windward.

The second group of tables, Tables 16-18, show the activity limitation status for persons with chronic conditions by age and sex and family income. The limitation of activity question was asked only of persons who reported having at least one chronic condition in the 12 months prior to the month of interview. These people were asked to rate themselves in terms of their health according to a scale of 1 to 4. The scale was represented as follows: 1=Not Able to Work At All; 2=Able To Work But Limited In Type Or Amount Of Work; 3=Able To Work But Limited In Type Or Amount Of Other Activity; 4=Not Limited In Any Way.

The incidence and number per 100 persons per year of acute conditions is exhibited in Tables 19-28, by geographic areas, sex, age, and ethnicity. Since the frequency of acute conditions are recorded on a monthly basis, the acute conditions were multiplied by twelve (12) in order that a yearly morbidity rate could be calculated. A comparison of the number of acute conditions per 100 persons per year from 1979 through 1984 are shown in Table 29.

Tables 30-34 depict the different types of disability days for persons who have acute and/or chronic conditions by geographic areas and age. Restricted activity day is a day during which a person had to cut down on his usual activity for all or most of the day. A bed day is defined as a day during which a person reported staying in bed for all or most of a day. The work day lost or school day lost is a day during which a person is normally at work or school, but due to an illness or injury, could not work or go to school for all or most of the day. Total restricted activity days include bed days, work days, and school days lost.

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*Note: *Non-institutionalized military household addresses were not available in 1984 as compared to previous years; the estimates in the tables especially for Oahu therefore do not reflect the military population except for those who live in the civilian community.*

TABLE 1
PREVALENCE OF SELECTED CHRONIC CONDITIONS BY GEOGRAPHIC AREA, 1984*

| Selected Chronic Condition | State | Oahu | East Hon. | West Hon. | Central Oahu | Waianae | Wind-ward | Kauai | Maui County | Hawaii |
|---|---|---|---|---|---|---|---|---|---|---|
| Heart condition | 22,080 | 14,785 | 5,133 | 2,277 | 4,156 | 408 | 2,810 | 1,618 | 2,203 | 3,474 |
| Impairment of back or spine | 51,547 | 37,203 | 13,692 | 4,085 | 10,817 | 804 | 7,804 | 3,617 | 4,202 | 6,531 |
| Hypertension without heart involvement | 75,135 | 52,285 | 18,922 | 7,492 | 16,451 | 1,814 | 7,606 | 5,116 | 7,383 | 10,352 |
| Arthritis/Rheumatism | 31,694 | 22,274 | 9,850 | 2,950 | 4,886 | 672 | 3,916 | 2,231 | 3,179 | 4,009 |
| Hearing impairment | 31,983 | 21,243 | 7,405 | 3,739 | 3,948 | 170 | 5,982 | 2,123 | 3,015 | 5,602 |
| Asthma with or without hayfever | 34,590 | 24,179 | 7,223 | 2,571 | 9,929 | 842 | 3,614 | 2,445 | 2,941 | 5,025 |
| Diabetes | 20,815 | 13,714 | 5,009 | 2,083 | 4,437 | 528 | 1,657 | 1,438 | 2,205 | 3,458 |
| Mental and nervous condition | 11,919 | 8,416 | 2,984 | 1,659 | 1,782 | 60 | 1,931 | 842 | 1,441 | 1,220 |
| Visual impairment | 11,825 | 8,106 | 3,421 | 1,340 | 1,488 | 216 | 1,640 | 986 | 795 | 1,938 |
| Malignant neoplasms | 7,454 | 5,290 | 2,028 | 703 | 1,099 | 186 | 1,274 | 450 | 797 | 918 |
| Chronic and allergic skin conditions | 34,989 | 26,013 | 9,502 | 3,068 | 8,282 | 255 | 4,906 | 2,515 | 2,922 | 3,539 |
| Chronic sinusitis | 16,353 | 11,118 | 3,109 | 851 | 4,740 | 306 | 2,111 | 1,040 | 1,525 | 2,671 |
| Hayfever without asthma | 57,325 | 42,820 | 14,535 | 3,324 | 15,302 | 713 | 8,947 | 3,326 | 5,320 | 5,860 |
| Stomach ulcer | 7,190 | 5,189 | 1,970 | 621 | 1,756 | 102 | 740 | 313 | 695 | 994 |
| Bronchitis/Emphysema | 13,843 | 9,606 | 3,129 | 1,071 | 2,549 | 418 | 2,439 | 794 | 1,353 | 2,091 |
| Benign and unspecified neoplasms | 4,051 | 2,729 | 572 | 348 | 859 | 156 | 794 | 304 | 460 | 558 |
| Hemorrhoids | 13,568 | 9,494 | 2,619 | 703 | 4,086 | 65 | 2,021 | 983 | 1,372 | 1,720 |
| Thyroid/Goiter | 3,483 | 2,710 | 706 | 370 | 1,210 | - | 424 | 243 | 187 | 344 |
| Varicose veins | 7,858 | 5,262 | 2,339 | 1,088 | 838 | 73 | 924 | 753 | 795 | 1,049 |
| Gout | 11,346 | 7,725 | 2,114 | 1,727 | 2,379 | 309 | 1,196 | 680 | 1,239 | 1,702 |

*Numbers may not add up due to rounding.

TABLE 2
NUMBER OF SELECTED CHRONIC CONDITIONS PER 1,000 PERSONS BY GEOGRAPHIC AREA, 1984

| Selected Chronic Condition | State | Oahu | East Hon. | West Hon. | Central Oahu | Waianae | Wind-ward | Kauai | Maui County | Hawai |
|---|---|---|---|---|---|---|---|---|---|---|
| Heart condition | 24.2 | 21.6 | 25.0 | 31.2 | 15.7 | 14.6 | 25.2 | 37.3 | 26.7 | 33.1 |
| Impairment of back or spine | 56.5 | 54.5 | 66.7 | 56.0 | 40.8 | 28.7 | 70.2 | 83.4 | 50.9 | 62.3 |
| Hypertension without heart involvement | 82.3 | 76.6 | 92.2 | 102.7 | 62.1 | 64.9 | 68.4 | 118.0 | 89.5 | 98.7 |
| Arthritis/Rheumatism | 34.7 | 32.6 | 48.0 | 40.4 | 18.4 | 24.0 | 35.2 | 51.4 | 38.5 | 38.2 |
| Hearing impairment | 35.0 | 31.1 | 36.0 | 51.2 | 14.9 | 6.0 | 53.8 | 48.9 | 36.5 | 53.4 |
| Asthma with or without hayfever | 37.9 | 35.4 | 35.2 | 35.2 | 37.5 | 30.1 | 32.5 | 56.3 | 35.6 | 47.9 |
| Diabetes | 22.8 | 20.1 | 24.4 | 28.5 | 16.7 | 18.8 | 14.9 | 33.1 | 26.7 | 32.9 |
| Mental and nervous condition | 13.0 | 12.3 | 14.5 | 22.7 | 6.7 | 2.1 | 17.3 | 19.4 | 17.4 | 11.6 |
| Visual impairment | 12.9 | 11.8 | 16.6 | 18.3 | 5.6 | 7.7 | 14.7 | 22.7 | 9.6 | 18.4 |
| Malignant neoplasms | 8.1 | 7.7 | 9.8 | 9.6 | 4.1 | 6.6 | 11.4 | 10.3 | 9.6 | 8.7 |
| Chronic and allergic skin conditions | 38.3 | 38.1 | 46.3 | 42.0 | 31.3 | 9.1 | 44.1 | 58.0 | 35.4 | 33.7 |
| Chronic sinusitis | 17.9 | 16.3 | 15.1 | 11.6 | 17.9 | 10.9 | 18.9 | 23.9 | 18.5 | 25.4 |
| Hayfever without asthma | 62.8 | 62.8 | 70.8 | 45.5 | 57.8 | 25.5 | 80.5 | 76.7 | 64.5 | 55.9 |
| Stomach ulcer | 7.8 | 7.6 | 9.6 | 8.5 | 6.6 | 3.6 | 6.6 | 7.2 | 8.4 | 9.4 |
| Bronchitis/Emphysema | 15.1 | 14.0 | 15.2 | 14.6 | 9.6 | 14.9 | 21.9 | 18.3 | 16.4 | 19.9 |
| Benign and unspecified neoplasms | 4.4 | 4.0 | 2.7 | 4.7 | 3.2 | 5.5 | 7.1 | 7.0 | 5.5 | 5.3 |
| Hemorrhoids | 14.8 | 13.9 | 12.7 | 9.6 | 15.4 | 2.3 | 18.1 | 22.6 | 16.6 | 16.4 |
| Thyroid/Goiter | 3.8 | 3.9 | 3.4 | 5.0 | 4.5 | - | 3.8 | 5.6 | 2.2 | 3.2 |
| Varicose veins | 8.6 | 7.7 | 11.4 | 14.9 | 3.1 | 2.6 | 8.3 | 17.3 | 9.6 | 10.0 |
| Gout | 12.4 | 11.3 | 10.3 | 23.6 | 8.9 | 11.0 | 10.7 | 15.6 | 15.0 | 16.2 |

TABLE 3
PREVALENCE OF SELECTED CHRONIC CONDITIONS FOR MALES BY GEOGRAPHIC AREA, 1984*

| Selected Chronic Condition | State | Oahu | East Hon. | West Hon. | Central Oahu | Waianae | Wind-ward | Kauai | Maui County | Hawaii |
|---|---|---|---|---|---|---|---|---|---|---|
| Heart condition | 11,472 | 7,473 | 2,779 | 1,076 | 2,258 | 185 | 1,175 | 854 | 1,344 | 1,802 |
| Impairment of back or spine | 29,365 | 21,169 | 7,730 | 2,266 | 6,101 | 509 | 4,562 | 2,136 | 2,511 | 3,549 |
| Hypertension without heart involvement | 39,354 | 28,068 | 10,074 | 3,780 | 8,971 | 1,050 | 4,192 | 2,657 | 3,555 | 5,073 |
| Arthritis/Rheumatism | 11,085 | 7,445 | 3,073 | 1,143 | 1,630 | 212 | 1,388 | 825 | 1,188 | 1,626 |
| Hearing impairment | 22,595 | 15,278 | 5,383 | 2,859 | 2,943 | 118 | 3,975 | 1,494 | 1,980 | 3,843 |
| Asthma with or without hayfever | 16,343 | 11,294 | 3,295 | 1,074 | 4,621 | 480 | 1,824 | 1,241 | 1,538 | 2,271 |
| Diabetes | 10,097 | 6,949 | 2,528 | 1,102 | 2,105 | 347 | 867 | 699 | 1,081 | 1,369 |
| Mental and nervous condition | 5,565 | 3,936 | 1,250 | 1,035 | 754 | - | 897 | 434 | 545 | 650 |
| Visual impairment | 6,567 | 4,706 | 2,051 | 890 | 714 | 94 | 957 | 620 | 300 | 942 |
| Malignant neoplasms | 3,050 | 2,026 | 1,062 | 397 | 304 | 109 | 155 | 291 | 295 | 438 |
| Chronic and allergic skin conditions | 14,924 | 10,669 | 3,857 | 1,500 | 3,126 | 173 | 2,014 | 1,179 | 1,364 | 1,712 |
| Chronic sinusitis | 7,700 | 4,981 | 1,446 | 325 | 2,414 | 95 | 702 | 574 | 766 | 1,378 |
| Hayfever without asthma | 25,811 | 19,206 | 6,461 | 1,808 | 7,341 | 255 | 3,341 | 1,682 | 2,599 | 2,324 |
| Stomach ulcer | 3,963 | 2,750 | 1,361 | 320 | 773 | 63 | 234 | 194 | 380 | 639 |
| Bronchitis/Emphysema | 6,520 | 4,518 | 1,802 | 441 | 1,222 | 134 | 919 | 411 | 716 | 875 |
| Benign and unspecified neoplasms | 1,312 | 730 | 165 | - | 341 | 53 | 172 | 144 | 184 | 254 |
| Hemorrhoids | 5,880 | 4,044 | 1,322 | 433 | 1,270 | - | 1,021 | 467 | 569 | 799 |
| Thyroid/Goiter | 476 | 164 | - | - | 116 | - | 49 | 117 | 80 | 114 |
| Varicose veins | 1,000 | 791 | 398 | 75 | 269 | - | 49 | 72 | 90 | 48 |
| Gout | 9,686 | 6,565 | 1,878 | 1,364 | 1,963 | 309 | 1,051 | 607 | 1,077 | 1,438 |

*Numbers may not add up due to rounding.

TABLE 4
NUMBER OF SELECTED CHRONIC CONDITIONS PER 1,000 MALES PER YEAR BY GEOGRAPHIC AREA, 1984

| Selected Chronic Condition | State | Oahu | East Hon. | West Hon. | Central Oahu | Waianae | Wind-ward | Kauai | Maui County | Hawaii |
|---|---|---|---|---|---|---|---|---|---|---|
| Heart condition | 25.1 | 21.9 | 27.9 | 30.1 | 16.6 | 13.0 | 21.1 | 38.6 | 32.3 | 34.1 |
| Impairment of back or spine | 64.3 | 62.1 | 77.7 | 63.5 | 44.9 | 35.9 | 82.0 | 96.7 | 60.5 | 67.3 |
| Hypertension without heart involvement | 86.1 | 82.4 | 101.3 | 105.9 | 66.1 | 74.1 | 75.3 | 120.3 | 85.7 | 96.2 |
| Arthritis/Rheumatism | 24.2 | 21.8 | 30.9 | 32.0 | 12.0 | 14.9 | 24.9 | 37.3 | 28.6 | 30.8 |
| Hearing impairment | 49.4 | 44.8 | 54.1 | 80.1 | 21.7 | 8.3 | 71.4 | 67.6 | 47.7 | 72.9 |
| Asthma with or without hayfever | 35.7 | 33.1 | 33.1 | 30.1 | 34.0 | 33.9 | 32.7 | 56.1 | 37.0 | 43.0 |
| Diabetes | 22.1 | 20.4 | 25.4 | 30.8 | 15.5 | 24.5 | 15.5 | 31.6 | 26.0 | 25.9 |
| Mental and nervous condition | 12.1 | 11.5 | 12.5 | 28.9 | 5.5 | - | 16.1 | 19.6 | 13.1 | 12.3 |
| Visual impairment | 14.3 | 13.8 | 20.6 | 24.9 | 5.2 | 6.6 | 17.2 | 28.0 | 7.2 | 17.8 |
| Malignant neoplasms | 6.6 | 5.9 | 10.6 | 11.1 | 2.2 | 7.6 | 2.7 | 13.1 | 7.1 | 8.3 |
| Chronic and allergic skin conditions | 32.6 | 31.3 | 38.8 | 42.0 | 23.0 | 12.2 | 36.2 | 53.4 | 32.8 | 32.4 |
| Chronic sinusitis | 16.8 | 14.6 | 14.5 | 9.0 | 17.8 | 6.7 | 12.6 | 26.0 | 18.4 | 26.1 |
| Hayfever without asthma | 56.5 | 56.4 | 65.0 | 50.6 | 54.1 | 17.9 | 60.0 | 76.1 | 62.6 | 44.1 |
| Stomach ulcer | 8.6 | 8.0 | 13.7 | 8.9 | 5.6 | 4.4 | 4.2 | 8.7 | 9.1 | 12.1 |
| Bronchitis/Emphysema | 14.2 | 13.2 | 18.1 | 12.3 | 9.0 | 9.4 | 16.5 | 18.6 | 17.2 | 16.6 |
| Benign and unspecified neoplasms | 2.8 | 2.1 | 1.6 | - | 2.5 | 3.7 | 3.0 | 6.5 | 4.4 | 4.8 |
| Hemorrhoids | 12.8 | 11.8 | 13.3 | 12.1 | 9.3 | - | 18.3 | 21.1 | 13.7 | 15.1 |
| Thyroid/Goiter | 1.0 | 0.4 | - | - | 0.9 | - | 0.8 | 5.2 | 1.9 | 2.1 |
| Varicose veins | 2.1 | 2.3 | 4.0 | 2.1 | 1.9 | - | 0.8 | 3.2 | 2.1 | 0.9 |
| Gout | 21.2 | 19.2 | 18.9 | 38.2 | 14.4 | 21.7 | 18.8 | 27.4 | 25.9 | 27.2 |

TABLE 5
PREVALENCE OF SELECTED CHRONIC CONDITIONS FOR FEMALES BY GEOGRAPHIC AREA, 1984*

| Selected Chronic Condition | State | Oahu | East Hon. | West Hon. | Central Oahu | Waianae | Wind-ward | Kauai | Maui County | Hawaii |
|---|---|---|---|---|---|---|---|---|---|---|
| Heart condition | 10,609 | 7,311 | 2,354 | 1,201 | 1,897 | 223 | 1,636 | 765 | 860 | 1,673 |
| Impairment of back or spine | 22,182 | 16,034 | 5,962 | 1,819 | 4,716 | 295 | 3,242 | 1,476 | 1,691 | 2,981 |
| Hypertension without heart involvement | 35,781 | 24,216 | 8,848 | 3,712 | 7,480 | 764 | 3,414 | 2,458 | 3,828 | 5,279 |
| Arthritis/Rheumatism | 20,609 | 14,829 | 6,778 | 1,807 | 3,256 | 461 | 2,528 | 1,406 | 1,991 | 2,383 |
| Hearing impairment | 9,388 | 5,965 | 2,022 | 880 | 1,005 | 52 | 2,006 | 629 | 1,035 | 1,759 |
| Asthma with or without hayfever | 18,246 | 12,884 | 3,928 | 1,497 | 5,308 | 362 | 1,790 | 1,205 | 1,403 | 2,754 |
| Diabetes | 10,718 | 6,766 | 2,481 | 981 | 2,332 | 181 | 790 | 739 | 1,124 | 2,089 |
| Mental and nervous condition | 6,353 | 4,480 | 1,734 | 625 | 1,028 | 60 | 1,034 | 408 | 896 | 570 |
| Visual impairment | 5,258 | 3,400 | 1,370 | 450 | 775 | 123 | 683 | 367 | 495 | 996 |
| Malignant neoplasms | 4,404 | 3,264 | 965 | 307 | 796 | 77 | 1,119 | 158 | 502 | 480 |
| Chronic and allergic skin cond'tions | 20,065 | 15,344 | 5,645 | 1,569 | 5,156 | 82 | 2,892 | 1,335 | 1,559 | 1,827 |
| Chronic sinusitis | 8,654 | 6,136 | 1,663 | 526 | 2,326 | 211 | 1,409 | 466 | 759 | 1,293 |
| Hayfever without asthma | 31,514 | 23.613 | 8,073 | 1,516 | 7,960 | 458 | 5,606 | 1,645 | 2,721 | 3,535 |
| Stomach ulcer | 3,227 | 2,439 | 609 | 301 | 984 | 40 | 506 | 119 | 315 | 354 |
| Bronchitis/Emphysema | 7,323 | 5,088 | 1,327 | 630 | 1,327 | 285 | 1,520 | 382 | 637 | 1,216 |
| Benign and unspecified neoplasms | 2,739 | 1,999 | 407 | 348 | 518 | 103 | 623 | 160 | 277 | 304 |
| Hemorrhoids | 7,689 | 5,450 | 1,298 | 270 | 2,817 | 65 | 1,000 | 515 | 803 | 921 |
| Thyroid/Goiter | 3,008 | 2,546 | 706 | 370 | 1,094 | - | 376 | 126 | 106 | 230 |
| Varicose veins | 6,858 | 4,472 | 1,941 | 1,012 | 570 | 73 | 875 | 681 | 705 | 1,001 |
| Gout | 1,660 | 1,160 | 236 | 363 | 416 | - | 146 | 73 | 162 | 264 |

*Numbers may not add up due to rounding.

TABLE 6
NUMBER OF SELECTED CHRONIC CONDITIONS PER 1,000 FEMALES PER YEAR BY GEOGRAPHIC AREA, 1984

| Selected Chronic Condition | State | Oahu | East Hon. | West Hon. | Central Oahu | Waianae | Wind-ward | Kauai | Maui County | Hawai |
|---|---|---|---|---|---|---|---|---|---|---|
| Heart condition | 23.2 | 21.4 | 22.2 | 32.2 | 14.7 | 16.1 | 29.4 | 35.9 | 21.0 | 32.0 |
| Impairment of back or spine | 48.6 | 46.9 | 56.3 | 48.8 | 36.5 | 21.4 | 58.3 | 69.3 | 41.2 | 57.2 |
| Hypertension without heart involvement | 78.5 | 70.9 | 83.6 | 99.6 | 58.0 | 55.4 | 61.4 | 115.5 | 93.4 | 101.3 |
| Arthritis/Rheumatism | 45.2 | 43.4 | 64.0 | 48.5 | 25.2 | 33.3 | 45.5 | 66.0 | 48.6 | 45.7 |
| Hearing impairment | 20.6 | 17.4 | 19.1 | 23.6 | 7.7 | 3.7 | 36.1 | 29.5 | 25.2 | 33.7 |
| Asthma with or without hayfever | 40.0 | 37.7 | 37.1 | 40.1 | 41.1 | 26.2 | 32.2 | 56.6 | 34.2 | 52.8 |
| Diabetes | 23.5 | 19.8 | 23.4 | 26.3 | 18.0 | 13.1 | 14.2 | 34.7 | 27.4 | 40.0 |
| Mental and nervous condition | 13.9 | 13.1 | 16.3 | 16.7 | 7.9 | 4.3 | 18.6 | 19.1 | 21.8 | 10.9 |
| Visual impairment | 11.5 | 9.9 | 12.9 | 12.0 | 6.0 | 8.8 | 12.2 | 17.2 | 12.0 | 19.1 |
| Malignant neoplasms | 9.6 | 9.5 | 9.1 | 8.2 | 6.1 | 5.5 | 20.1 | 7.4 | 12.2 | 9.2 |
| Chronic and allergic skin conditions | 44.0 | 44.9 | 53.3 | 42.1 | 39.9 | 5.9 | 52.0 | 62.7 | 38.0 | 35.0 |
| Chronic sinusitis | 18.9 | 17.9 | 15.7 | 14.1 | 18.0 | 15.3 | 25.3 | 21.9 | 18.5 | 24.8 |
| Hayfever without asthma | 69.1 | 69.1 | 76.2 | 40.7 | 61.7 | 33.2 | 100.9 | 77.3 | 66.4 | 67.8 |
| Stomach ulcer | 7.0 | 7.1 | 5.7 | 8.0 | 7.6 | 2.8 | 9.1 | 5.5 | 7.6 | 6.7 |
| Bronchitis/Emphysema | 16.0 | 14.9 | 12.5 | 16.9 | 10.2 | 20.6 | 27.3 | 17.9 | 15.5 | 23.3 |
| Benign and unspecified neoplasms | 6.0 | 5.8 | 3.8 | 9.3 | 4.0 | 7.4 | 11.2 | 7.5 | 6.7 | 5.8 |
| Hemorrhoids | 16.8 | 15.9 | 12.2 | 7.2 | 21.8 | 4.7 | 18.0 | 24.2 | 19.6 | 17.6 |
| Thyroid/Goiter | 6.6 | 7.4 | 6.6 | 9.9 | 8.4 | - | 6.7 | 5.9 | 2.5 | 4.4 |
| Varicose veins | 15.0 | 13.1 | 18.3 | 27.1 | 4.4 | 5.3 | 15.7 | 31.9 | 17.2 | 19.2 |
| Gout | 3.6 | 3.3 | 2.2 | 9.7 | 3.2 | - | 2.6 | 3.4 | 3.9 | 5.0 |

TABLE 7
PREVALENCE OF SELECTED CHRONIC CONDITIONS BY AGE, 1984*

| Selected Chronic Condition | All Ages | Under 17 Years | 17-44 Years | 45-64 Years | 65 Years And Over |
|---|---|---|---|---|---|
| Heart Condition | 22,080 | 1,694 | 3,729 | 8,024 | 8,634 |
| Impairment of back or spine | 51,547 | 690 | 26,979 | 17,085 | 6,794 |
| Hypertension without heart involvement | 75,135 | 189 | 13,546 | 37,057 | 24,344 |
| Arthritis/Rheumatism | 31,694 | 194 | 4,760 | 13,214 | 13,526 |
| Hearing impairment | 31,983 | 2,456 | 7,278 | 11,215 | 11,034 |
| Asthma with or without hayfever | 34,590 | 15,163 | 12,814 | 4,226 | 2,387 |
| Diabetes | 20,815 | 281 | 2,691 | 9,643 | 8,200 |
| Mental and nervous condition | 11,919 | 797 | 7,381 | 2,500 | 1,240 |
| Visual impairment | 11,825 | 625 | 2,822 | 2,888 | 5,490 |
| Malignant neoplasms | 7,454 | 93 | 1,400 | 2,843 | 3,119 |
| Chronic and allergic skin conditions | 34,989 | 7,557 | 17,312 | 6,732 | 3,389 |
| Chronic sinusitis | 16,353 | 1,760 | 9,872 | 3,586 | 1,136 |
| Hayfever without asthma | 57,325 | 13,569 | 30,585 | 10,373 | 2,798 |
| Stomach ulcer | 7,190 | 35 | 3,323 | 2,340 | 1,492 |
| Bronchitis/Emphysema | 12,843 | 3,839 | 5,040 | 2,964 | 2,001 |
| Benign and unspecified neoplasms | 4,051 | 59 | 2,054 | 1,472 | 466 |
| Hemorrhoids | 13,568 | 117 | 8,265 | 3,906 | 1,281 |
| Thyroid/Goiter | 3,483 | 72 | 1,435 | 1,025 | 952 |
| Varicose Veins | 7,858 | 72 | 2,983 | 2,942 | 1,863 |
| Gout | 11,346 | - | 2,110 | 5,264 | 3,972 |

* Numbers may not add up due to rounding.

TABLE 8
NUMBER OF CHRONIC CONDITIONS PER 1,000 PERSONS PER YEAR BY AGE, 1984

| Selected Chronic Condition | All Ages | Under 17 Years | 17-44 Years | 45-64 Years | 65 Years And Over |
|---|---|---|---|---|---|
| Heart Condition | 24.2 | 6.6 | 9.1 | 46.3 | 118.9 |
| Impairment of back or spine | 56.5 | 2.7 | 65.9 | 98.6 | 93.6 |
| Hypertension without heart involvement | 82.3 | 0.7 | 33.1 | 213.9 | 335.3 |
| Arthritis/Rheumatism | 34.7 | 0.8 | 11.6 | 76.3 | 186.3 |
| Hearing impairment | 35.0 | 9.6 | 17.8 | 64.7 | 152.0 |
| Asthma with or without hayfever | 37.9 | 59.0 | 31.3 | 24.4 | 32.9 |
| Diabetes | 22.8 | 1.1 | 6.6 | 55.7 | 113.0 |
| Mental and nervous condition | 13.0 | 3.1 | 18.0 | 14.4 | 17.1 |
| Visual impairment | 12.9 | 2.4 | 6.9 | 16.7 | 75.6 |
| Malignant neoplasms | 8.1 | 0.4 | 3.4 | 16.4 | 43.0 |
| Chronic and allergic skin conditions | 38.3 | 29.4 | 42.3 | 38.9 | 46.7 |
| Chronic sinusitis | 17.9 | 6.9 | 24.1 | 20.7 | 15.7 |
| Hayfever without asthma | 62.8 | 52.8 | 74.7 | 59.9 | 38.6 |
| Stomach ulcer | 7.8 | 0.1 | 8.1 | 13.5 | 20.6 |
| Bronchitis/Emphysema | 15.1 | 15.0 | 12.3 | 17.1 | 27.6 |
| Benign and unspecified neoplasms | 4.4 | 0.2 | 5.0 | 8.5 | 6.4 |
| Hemorrhoids | 14.8 | 0.5 | 20.2 | 22.5 | 17.7 |
| Thyroid/Goiter | 3.8 | 0.3 | 3.5 | 5.9 | 13.1 |
| Varicose Veins | 8.6 | 0.3 | 7.3 | 17.0 | 25.6 |
| Gout | 12.4 | - | 5.2 | 30.4 | 54.7 |

TABLE 9
PREVALENCE OF SELECTED CHRONIC CONDITIONS FOR MALES BY AGE, 1984*

| Selected Chronic Condition | All Ages | Under 17 Years | 17-44 Years | 45-64 Years | 65 Years And Over |
|---|---|---|---|---|---|
| Heart Condition | 11,472 | 989 | 1,221 | 5,178 | 4,084 |
| Impairment of back or spine | 29,365 | 251 | 16,240 | 9,408 | 3,466 |
| Hypertension without heart involvement | 39,354 | 118 | 8,381 | 19,350 | 11,505 |
| Arthritis/Rheumatism | 11,085 | - | 1,647 | 4,491 | 4,947 |
| Hearing impairment | 22,595 | 1,889 | 5,406 | 8,453 | 6,848 |
| Asthma with or without hayfever | 16,343 | 8,949 | 5,017 | 1,377 | 1,001 |
| Diabetes | 10,097 | 232 | 1,249 | 4,695 | 3,921 |
| Mental and nervous condition | 5,565 | 629 | 3,226 | 943 | 767 |
| Visual impairment | 6,567 | 532 | 1,652 | 1,494 | 2,889 |
| Malignant neoplasms | 3,050 | 93 | 367 | 1,061 | 1,529 |
| Chronic and allergic skin conditions | 14,924 | 3,594 | 6,688 | 2,751 | 1,892 |
| Chronic sinusitis | 7,700 | 924 | 4,647 | 1,756 | 372 |
| Hayfever without asthma | 25,811 | 7,697 | 13,101 | 4,023 | 991 |
| Stomach ulcer | 3,963 | 14 | 1,512 | 1,531 | 906 |
| Bronchitis/Emphysema | 6,520 | 2,466 | 1,437 | 1,445 | 1,172 |
| Benign and unspecified neoplasms | 1,312 | 19 | 601 | 388 | 304 |
| Hemorrhoids | 5,880 | 41 | 3,242 | 1,867 | 731 |
| Thyroid/Goiter | 476 | - | 39 | 260 | 176 |
| Varicose Veins | 1,000 | - | 336 | 291 | 374 |
| Gout | 9,686 | - | 1,835 | 4,606 | 3,246 |

*Numbers may not add up due to rounding.

TABLE 10
NUMBER OF CHRONIC CONDITIONS PER 1,000 MALES PER YEAR BY AGE, 1984

| Selected Chronic Condition | All Ages | Under 17 Years | 17-44 Years | 45-64 Years | 65 Years And Over |
|---|---|---|---|---|---|
| Heart Condition | 25.1 | 7.5 | 6.0 | 62.0 | 111.3 |
| Impairment of back or spine | 64.3 | 1.9 | 79.2 | 112.7 | 94.5 |
| Hypertension without heart involvement | 86.1 | 0.9 | 40.9 | 231.8 | 313.6 |
| Arthritis/Rheumatism | 24.2 | - | 8.0 | 53.8 | 134.8 |
| Hearing impairment | 49.4 | 14.4 | 26.4 | 101.3 | 186.7 |
| Asthma with or without hayfever | 35.7 | 68.1 | 24.5 | 16.5 | 27.3 |
| Diabetes | 22.1 | 1.8 | 6.1 | 56.2 | 106.9 |
| Mental and nervous condition | 12.1 | 4.8 | 15.7 | 11.3 | 20.9 |
| Visual impairment | 14.3 | 4.1 | 8.1 | 17.9 | 78.8 |
| Malignant neoplasms | 6.6 | 0.7 | 1.8 | 12.7 | 41.7 |
| Chronic and allergic skin conditions | 32.6 | 27.4 | 32.6 | 33.0 | 51.6 |
| Chronic sinusitis | 16.8 | 7.0 | 22.7 | 21.0 | 10.2 |
| Hayfever without asthma | 56.5 | 58.6 | 63.9 | 48.2 | 27.0 |
| Stomach ulcer | 8.6 | 0.1 | 7.4 | 18.3 | 24.7 |
| Bronchitis/Emphysema | 14.2 | 18.8 | 7.0 | 17.3 | 32.0 |
| Benign and unspecified neoplasms | 2.8 | 0.2 | 2.9 | 4.7 | 8.3 |
| Hemorrhoids | 12.8 | 0.3 | 15.8 | 22.4 | 19.9 |
| Thyroid/Goiter | 1.0 | - | 0.2 | 3.1 | 4.8 |
| Varicose Veins | 2.1 | - | 1.6 | 3.5 | 10.2 |
| Gout | 21.2 | - | 9.0 | 55.2 | 88.5 |

TABLE 11
PREVALENCE OF SELECTED CHRONIC CONDITIONS FOR FEMALES, 1984*

| Selected Chronic Condition | All Ages | Under 17 Years | 17-44 Years | 45-64 Years | 65 Years And Over |
|---|---|---|---|---|---|
| Heart Condition | 10,609 | 705 | 2,509 | 2,846 | 4,549 |
| Impairment of back or spine | 22,182 | 439 | 10,739 | 7,677 | 3,328 |
| Hypertension without heart involvement | 35,781 | 72 | 5,165 | 17,707 | 12,838 |
| Arthritis/Rheumatism | 20,609 | 194 | 3,113 | 8,723 | 8,580 |
| Hearing impairment | 9,388 | 567 | 1,872 | 2,762 | 4,187 |
| Asthma with or without hayfever | 18,246 | 6,214 | 7,797 | 2,849 | 1,386 |
| Diabetes | 10,718 | 49 | 1,442 | 4,949 | 4,279 |
| Mental and nervous condition | 6,353 | 169 | 4,155 | 1,557 | 474 |
| Visual impairment | 5,258 | 92 | 1,171 | 1,394 | 2,601 |
| Malignant neoplasms | 4,404 | - | 1,032 | 1,782 | 1,590 |
| Chronic and allergic skin conditions | 20,065 | 3,963 | 10,624 | 3,981 | 1,497 |
| Chronic sinusitis | 8,654 | 836 | 5,224 | 1,830 | 763 |
| Hayfever without asthma | 31,514 | 5,872 | 17,485 | 6,350 | 1,807 |
| Stomach ulcer | 3,227 | 21 | 1,811 | 809 | 586 |
| Bronchitis/Emphysema | 7,323 | 1,372 | 3,603 | 1,520 | 828 |
| Benign and unspecified neoplasms | 2,739 | 40 | 1,454 | 1,084 | 162 |
| Hemorrhoids | 7,689 | 76 | 5,023 | 2,039 | 551 |
| Thyroid/Goiter | 3,008 | 72 | 1,396 | 765 | 776 |
| Varicose Veins | 6,858 | 72 | 2,646 | 2,651 | 1,489 |
| Gout | 1,660 | - | 276 | 658 | 726 |

*Numbers may not add up due to rounding.

TABLE 12
NUMBER OF CHRONIC CONDITIONS PER 1,000 FEMALES PER YEAR BY AGE, 1984

| Selected Chronic Condition | All Ages | Under 17 Years | 17-44 Years | 45-64 Years | 65 Years And Over |
|---|---|---|---|---|---|
| Heart Condition | 23.2 | 5.6 | 12.3 | 31.7 | 126.7 |
| Impairment of back or spine | 48.6 | 3.5 | 52.5 | 85.5 | 92.7 |
| Hypertension without heart involvement | 78.5 | 0.6 | 25.3 | 197.2 | 357.5 |
| Arthritis/Rheumatism | 45.2 | 1.6 | 15.2 | 97.1 | 238.9 |
| Hearing impairment | 20.6 | 4.5 | 9.2 | 30.8 | 116.6 |
| Asthma with or without hayfever | 40.0 | 49.5 | 38.2 | 31.7 | 38.6 |
| Diabetes | 23.5 | 0.4 | 7.1 | 55.1 | 119.2 |
| Mental and nervous condition | 13.9 | 1.4 | 20.3 | 17.3 | 13.2 |
| Visual impairment | 11.5 | 0.7 | 5.7 | 15.5 | 72.4 |
| Malignant neoplasms | 9.6 | - | 5.1 | 19.9 | 44.3 |
| Chronic and allergic skin conditions | 44.0 | 31.6 | 52.0 | 44.3 | 41.7 |
| Chronic sinusitis | 18.9 | 6.7 | 25.6 | 20.4 | 21.3 |
| Hayfever without asthma | 69.1 | 46.8 | 85.5 | 70.7 | 50.3 |
| Stomach ulcer | 7.0 | 0.2 | 8.9 | 9.0 | 16.3 |
| Bronchitis/Emphysema | 16.0 | 10.9 | 17.6 | 16.9 | 23.1 |
| Benign and unspecified neoplasms | 6.0 | 0.3 | 7.1 | 12.1 | 4.5 |
| Hemorrhoids | 16.8 | 0.6 | 24.6 | 22.7 | 15.3 |
| Thyroid/Goiter | 6.6 | 0.6 | 6.8 | 8.5 | 21.6 |
| Varicose Veins | 15.0 | 0.6 | 13.0 | 29.5 | 41.5 |
| Gout | 3.6 | - | 1.4 | 7.3 | 20.2 |

TABLE 13
PREVALENCE OF SELECTED CHRONIC CONDITIONS BY ETHNICITY, 1984

| Selected Chronic Condition | CAUCASIAN | JAPANESE | HAWAIIAN/ PT. HAWAIIAN | FILIPINO | CHINESE | OTHER & UNKNOWN |
|---|---|---|---|---|---|---|
| Heart Condition | 6,307 | 6,678 | 3,136 | 2,280 | 1,387 | 2,293 |
| Impairment of back or spine | 17,908 | 12,636 | 8,574 | 3,929 | 1,901 | 6,599 |
| Hypertension without heart involvement | 14,870 | 28,755 | 11,898 | 10,386 | 4,085 | 5,142 |
| Arthritis/Rheumatism | 10,606 | 8,850 | 3,939 | 3,710 | 1,652 | 2,937 |
| Hearing impairment | 9,405 | 10,605 | 5,081 | 2,254 | 1,510 | 3,129 |
| Asthma with or without hayfever | 6,273 | 6,072 | 11,343 | 3,370 | 903 | 6,629 |
| Diabetes | 4,546 | 7,091 | 3,348 | 2,596 | 1,415 | 1,819 |
| Mental and nervous condition | 4,400 | 2,109 | 1,172 | 1,374 | 275 | 2,589 |
| Visual impairment | 3,700 | 3,885 | 1,508 | 627 | 757 | 1,348 |
| Malignant neoplasms | 3,320 | 2,195 | 671 | 383 | 225 | 661 |
| Chronic and allergic skin conditions | 10,503 | 8,342 | 6,499 | 3,189 | 1,731 | 4,725 |
| Chronic sinusitis | 6,030 | 3,107 | 2,619 | 1,363 | 92 | 3,142 |
| Hayfever without asthma | 17,895 | 13,858 | 10,663 | 2,842 | 2,483 | 9,585 |
| Stomach ulcer | 1,991 | 2,085 | 913 | 815 | 292 | 1,095 |
| Bronchitis/Emphysema | 4,971 | 1,950 | 3,737 | 808 | 308 | 2,070 |
| Benign and unspecified neoplasms | 1,138 | 1,444 | 574 | 459 | - | 436 |
| Hemorrhoids | 4,604 | 3,406 | 2,088 | 904 | 345 | 2,222 |
| Thyroid/Goiter | 697 | 1,077 | 865 | 244 | 90 | 511 |
| Varicose Veins | 3,149 | 2,171 | 1,363 | 345 | 202 | 628 |
| Gout | 1,885 | 3,195 | 2,307 | 2,435 | 764 | 759 |

TABLE 14
NUMBER OF CHRONIC CONDITIONS PER 1,000 PERSONS PER YEAR
BY ETHNICITY, 1984

| Selected Chronic Condition | CAUCASIAN | JAPANESE | HAWAIIAN/ PT. HAWAIIAN | FILIPINO | CHINESE | OTHER & UNKNOWN |
|---|---|---|---|---|---|---|
| Heart Condition | 31.4 | 31.9 | 16.1 | 21.3 | 35.0 | 14.4 |
| Impairment of back or spine | 89.0 | 60.3 | 44.0 | 36.7 | 48.0 | 41.4 |
| Hypertension without heart involvement | 73.9 | 137.1 | 61.0 | 96.9 | 103.2 | 32.2 |
| Arthritis/Rheumatism | 52.7 | 42.2 | 20.2 | 34.6 | 41.7 | 18.4 |
| Hearing impairment | 46.7 | 50.6 | 26.1 | 21.0 | 38.1 | 19.6 |
| Asthma with or without hayfever | 31.2 | 29.0 | 58.2 | 31.5 | 22.8 | 41.6 |
| Diabetes | 22.6 | 33.8 | 17.2 | 24.2 | 35.7 | 11.4 |
| Mental and nervous condition | 21.9 | 10.1 | 6.0 | 12.8 | 7.0 | 16.2 |
| Visual impairment | 18.4 | 18.5 | 7.7 | 5.9 | 19.1 | 8.5 |
| Malignant neoplasms | 16.5 | 10.5 | 3.4 | 3.6 | 5.7 | 4.2 |
| Chronic and allergic skin conditions | 52.2 | 39.8 | 33.3 | 29.8 | 43.7 | 29.6 |
| Chronic sinusitis | 30.0 | 14.8 | 13.4 | 12.7 | 2.3 | 19.7 |
| Hayfever without asthma | 88.9 | 66.1 | 54.7 | 26.5 | 62.7 | 60.1 |
| Stomach ulcer | 9.9 | 10.0 | 4.7 | 7.6 | 7.4 | 6.9 |
| Bronchitis/Emphysema | 24.7 | 9.3 | 19.2 | 7.5 | 7.8 | 13.0 |
| Benign and unspecified neoplasms | 5.7 | 6.9 | 3.0 | 4.3 | - | 2.7 |
| Hemorrhoids | 22.9 | 16.3 | 10.7 | 8.4 | 8.7 | 13.9 |
| Thyroid/Goiter | 3.5 | 5.1 | 4.4 | 2.3 | 2.3 | 3.2 |
| Varicose Veins | 15.7 | 10.4 | 7.0 | 3.2 | 5.1 | 3.9 |
| Gout | 9.4 | 15.2 | 11.8 | 22.7 | 19.3 | 4.8 |

TABLE 15
NUMBER OF CHRONIC CONDITIONS PER 1,000
PERSONS PER YEAR (1979-1984)

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984* |
|---|---|---|---|---|---|---|
| Heart Condition | 20.9 | 20.1 | 21.1 | 23.2 | 22.4 | 24.2 |
| Impairment of back or spine | 34.6 | 32.4 | 50.2 | 46.7 | 54.0 | 56.5 |
| Hypertension without heart involvement | 66.8 | 75.6 | 67.4 | 70.7 | 73.4 | 82.3 |
| Arthritis/Rheumatism | 26.2 | 27.8 | 26.7 | 30.7 | 30.8 | 34.7 |
| Hearing impairment | 26.1 | 26.2 | 32.1 | 31.5 | 30.6 | 35.0 |
| Asthma with or without hayfever | 36.5 | 29.8 | 30.1 | 37.1 | 34.1 | 37.9 |
| Diabetes | 22.1 | 23.0 | 18.9 | 19.4 | 20.7 | 22.8 |
| Mental and nervous condition | 9.6 | 9.4 | 13.3 | 17.7 | 11.4 | 13.0 |
| Visual impairment | 10.5 | 12.3 | 12.3 | 12.6 | 11.5 | 12.9 |
| Malignant neoplasms | 6.1 | 5.9 | 6.5 | 6.3 | 7.9 | 8.1 |
| Chronic and allergic skin conditions | 23.9 | 18.8 | 25.8 | 30.1 | 33.3 | 38.3 |
| Chronic sinusitis | 20.0 | 20.6 | 34.8 | 29.0 | 24.4 | 17.9 |
| Hayfever without asthma | 54.4 | 54.1 | 50.1 | 47.9 | 52.2 | 62.8 |
| Stomach ulcer | 8.3 | 8.1 | 9.5 | 6.5 | 6.3 | 7.8 |
| Bronchitis/Emphysema | 9.2 | 10.4 | 14.0 | 16.2 | 11.4 | 15.1 |
| Benign and unspecified neoplasms | 6.8 | 5.9 | 6.6 | 6.8 | 4.6 | 4.4 |
| Hemorrhoids | 12.3 | 15.1 | 17.0 | 17.7 | 11.6 | 14.8 |
| Thyroid/Goiter | 5.2 | 5.8 | 5.7 | 5.7 | 2.7 | 3.8 |
| Varicose Veins | 4.2 | 3.6 | 7.6 | 11.5 | 8.5 | 8.6 |
| Gout | 11.3 | 10.7 | 10.3 | 10.5 | 8.7 | 12.4 |

*Excludes the military housing population.*

TABLE 16
DISTRIBUTION OF PERSONS BY ACTIVITY LIMITATION STATUS
DUE TO CHRONIC CONDITIONS ACCORDING TO SEX AND AGE, 1984 a/, b/, c/

| BOTH SEXES | TOTAL b/ POPULATION | NO LIMITATION OF ACTIVITY | LIMITED BUT NOT IN MAJOR ACTIVITY | LIMITED IN AMOUNT OR KIND OF ACTIVITY | UNABLE TO CARRY ON MAJOR ACTIVITY |
|---|---|---|---|---|---|
| ALL AGES | 347,454 | 286,987 | 19,589 | 15,703 | 10,496 |
| UNDER 17 YEARS | 51,364 | 45,203 | 1,279 | 953 | 331 |
| 17 - 44 YEARS | 141,088 | 120,917 | 7,041 | 5,010 | 2,384 |
| 45 - 64 YEARS | 99,857 | 82,947 | 5,999 | 4,046 | 3,307 |
| 65 YEARS AND OVER | 55,145 | 37,920 | 5,269 | 5,694 | 4,474 |
| MALE | | | | | |
| ALL AGES | 178,239 | 144,930 | 9,831 | 8,676 | 6,765 |
| UNDER 17 YEARS | 28,906 | 25,506 | 571 | 640 | 292 |
| 17 - 44 YEARS | 70,782 | 58,981 | 3,552 | 3,356 | 1,679 |
| 45 - 64 YEARS | 50,546 | 41,252 | 3,057 | 2,071 | 2,295 |
| 65 YEARS AND OVER | 28,006 | 19,192 | 2,652 | 2,610 | 2,500 |
| FEMALE | | | | | |
| ALL AGES | 169,215 | 142,057 | 9,758 | 7,027 | 3,731 |
| UNDER 17 YEARS | 22,458 | 19,697 | 708 | 313 | 39 |
| 17 - 44 YEARS | 70,307 | 61,936 | 3,490 | 1,654 | 706 |
| 45 - 64 YEARS | 49,312 | 41,696 | 2,943 | 1,975 | 1,012 |
| 65 YEARS AND OVER | 27,139 | 18,728 | 2,617 | 3,085 | 1,974 |
| | PERCENT DISTRIBUTION c/ | | | | |
| BOTH SEXES | | | | | |
| ALL AGES | 100.00 | 82.6 | 5.6 | 4.5 | 3.0 |
| UNDER 17 YEARS | 100.00 | 88.0 | 2.5 | 1.9 | 0.6 |
| 17 - 44 YEARS | 100.00 | 85.7 | 5.0 | 3.6 | 1.7 |
| 45 - 64 YEARS | 100.00 | 83.1 | 6.0 | 4.1 | 3.3 |
| 65 YEARS AND OVER | 100.00 | 68.8 | 9.6 | 10.3 | 8.1 |
| MALE | | | | | |
| ALL AGES | 100.00 | 81.3 | 5.5 | 4.9 | 3.8 |
| UNDER 17 YEARS | 100.00 | 88.2 | 2.0 | 2.2 | 1.0 |
| 17 - 44 YEARS | 100.00 | 83.3 | 5.0 | 4.7 | 2.4 |
| 45 - 64 YEARS | 100.00 | 81.6 | 6.0 | 4.1 | 4.5 |
| 65 YEARS AND OVER | 100.00 | 68.5 | 9.5 | 9.3 | 8.9 |
| FEMALE | | | | | |
| ALL AGES | 100.00 | 84.0 | 5.8 | 4.2 | 2.2 |
| UNDER 17 YEARS | 100.00 | 87.7 | 3.2 | 1.4 | 0.2 |
| 17 - 44 YEARS | 100.0 | 88.1 | 5.0 | 2.4 | 1.0 |
| 45 - 64 YEARS | 100.0 | 84.6 | 6.0 | 4.0 | 2.1 |
| 65 YEARS AND OVER | 100.0 | 69.0 | 9.6 | 11.4 | 7.3 |

a/ Numbers may not add up due to rounding.
b/ Includes unknown activity limitation.
c/ Percentage differences accounts for unknown activity limitation.

TABLE 17
DISTRIBUTION OF PERSONS BY ACTIVITY LIMITATION STATUS
DUE TO CHRONIC CONDITIONS ACCORDING TO FAMILY INCOME AND AGE, 1984 a/, b/, c/

| *ALL INCOMES* | *TOTAL POPULATION* | *NO LIMITATION OF ACTIVITY* | *LIMITED BUT NOT IN MAJOR ACTIVITY* | *LIMITED IN AMOUNT OR KIND OF ACTIVITY* | *UNABLE TO CARRY ON MAJOR ACTIVITY* |
|---|---|---|---|---|---|
| *ALL AGES* | 347,454 | 286,987 | 19,589 | 15,703 | 10,496 |
| UNDER 17 YEARS | 51,364 | 45,203 | 1,279 | 953 | 331 |
| 17 - 44 YEARS | 141,088 | 120,917 | 7,041 | 5,010 | 2,384 |
| 45 - 64 YEARS | 99,857 | 82,947 | 5,999 | 4,046 | 3,307 |
| 65 YEARS AND OVER | 55,145 | 37,920 | 5,269 | 5,694 | 4,474 |
| *UNDER $5,000* | | | | | |
| ALL AGES | 7,014 | 5,019 | 576 | 713 | 555 |
| UNDER 17 YEARS | 824 | 654 | 99 | - | - |
| 17 - 44 YEARS | 2,851 | 2,243 | 91 | 360 | 157 |
| 45 - 64 YEARS | 1,637 | 1,021 | 154 | 149 | 235 |
| 65 YEARS AND OVER | 1,703 | 1,102 | 233 | 205 | 163 |
| *$5,000 - $9,999* | | | | | |
| ALL AGES | 27,482 | 20,161 | 2,521 | 2,777 | 1,296 |
| UNDER 17 YEARS | 5,293 | 4,564 | 217 | 271 | 64 |
| 17 - 44 YEARS | 11,233 | 8,787 | 1,188 | 998 | 29 |
| 45 - 64 YEARS | 3,796 | 2,603 | 252 | 510 | 322 |
| 65 YEARS AND OVER | 7,160 | 4,208 | 864 | 997 | 881 |
| *$10,000 - $14,999* | | | | | |
| ALL AGES | 34,535 | 27,913 | 1,802 | 1,739 | 1,809 |
| UNDER 17 YEARS | 3,273 | 2,853 | 150 | 132 | 39 |
| 17 - 44 YEARS | 16,755 | 14,057 | 714 | 669 | 670 |
| 45 - 64 YEARS | 6,357 | 5,302 | 386 | 280 | 231 |
| 65 YEARS AND OVER | 8,150 | 5,702 | 551 | 658 | 870 |
| *$15,000 - $19,999* | | | | | |
| ALL AGES | 32,404 | 26,183 | 2,068 | 1,538 | 1,383 |
| UNDER 17 YEARS | 3,671 | 2,961 | 260 | 71 | - |
| 17 - 44 YEARS | 13,765 | 11,362 | 715 | 555 | 514 |
| 45 - 64 YEARS | 8,296 | 6,777 | 659 | 267 | 391 |
| 65 YEARS AND OVER | 6,673 | 5,083 | 434 | 646 | 478 |
| *$20,000 - $24,999* | | | | | |
| ALL AGES | 33,977 | 28,576 | 2,318 | 1,240 | 790 |
| UNDER 17 YEARS | 6,009 | 5,477 | 101 | 77 | 118 |
| 17 - 44 YEARS | 13,846 | 11,971 | 889 | 343 | 241 |
| 45 - 64 YEARS | 9,298 | 7,697 | 750 | 323 | 231 |
| 65 YEARS AND OVER | 4,824 | 3,431 | 578 | 497 | 200 |
| *$25,000 AND OVER* | | | | | |
| ALL AGES | 165,509 | 145,437 | 6,987 | 4,897 | 3,161 |
| UNDER 17 YEARS | 26,341 | 24,746 | 188 | 278 | 17 |
| 17 - 44 YEARS | 64,860 | 58,891 | 2,333 | 1,341 | 475 |
| 45 - 64 YEARS | 56,799 | 49,254 | 2,849 | 1,608 | 1,288 |
| 65 YEARS AND OVER | 17,509 | 12,546 | 1,617 | 1,670 | 1,381 |

a/ Numbers may not add up due to rounding.
b/ Includes unknown activity limitation.
c/ Persons reporting unknown family income are excluded from table.

TABLE 18
PERCENT DISTRIBUTION OF PERSONS BY ACTIVITY LIMITATION STATUS
DUE TO CHRONIC CONDITIONS ACCORDING TO FAMILY INCOME AND AGE, 1984*

| *ALL INCOMES* | *TOTAL POPULATION* | *NO LIMITATION OF ACTIVITY* | *LIMITED BUT NOT IN MAJOR ACTIVITY* | *LIMITED IN AMOUNT OR KIND OF ACTIVITY* | *UNABLE TO CARRY ON MAJOR ACTIVITY* |
|---|---|---|---|---|---|
| *ALL AGES* | 100.00 | 82.6 | 5.6 | 4.5 | 3.0 |
| UNDER 17 YEARS | 100.00 | 88.0 | 2.5 | 1.9 | 0.6 |
| 17 - 44 YEARS | 100.00 | 85.7 | 5.0 | 3.6 | 1.7 |
| 45 - 64 YEARS | 100.00 | 83.1 | 6.0 | 4.1 | 3.3 |
| 65 YEARS AND OVER | 100.00 | 68.8 | 9.6 | 10.3 | 8.1 |
| *UNDER $5,000* | | | | | |
| ALL AGES | 100.00 | 71.6 | 8.2 | 10.2 | 7.9 |
| UNDER 17 YEARS | 100.00 | 79.3 | 12.0 | - | - |
| 17 - 44 YEARS | 100.00 | 78.7 | 3.2 | 12.6 | 5.5 |
| 45 - 64 YEARS | 100.00 | 62.4 | 9.4 | 9.1 | 14.3 |
| 65 YEARS AND OVER | 100.00 | 64.7 | 13.7 | 12.0 | 9.6 |
| *$5,000 - $9,999* | | | | | |
| ALL AGES | 100.00 | 73.4 | 9.2 | 10.1 | 4.7 |
| UNDER 17 YEARS | 100.00 | 86.2 | 4.1 | 5.1 | 1.2 |
| 17 - 44 YEARS | 100.00 | 78.2 | 10.6 | 8.9 | 0.3 |
| 45 - 64 YEARS | 100.00 | 68.6 | 6.6 | 13.4 | 8.5 |
| 65 YEARS AND OVER | 100.00 | 58.8 | 12.1 | 13.9 | 12.3 |
| *$10,000 - $14,999* | | | | | |
| ALL AGES | 100.00 | 80.8 | 5.2 | 5.0 | 5.2 |
| UNDER 17 YEARS | 100.00 | 87.2 | 4.6 | 4.0 | 1.2 |
| 17 - 44 YEARS | 100.00 | 83.9 | 4.3 | 4.0 | 4.0 |
| 45 - 64 YEARS | 100.00 | 83.4 | 6.1 | 4.4 | 3.6 |
| 65 YEARS AND OVER | 100.00 | 70.0 | 6.8 | 8.1 | 10.7 |
| *$15,000 - $19,999* | | | | | |
| ALL AGES | 100.00 | 80.8 | 6.4 | 4.7 | 4.3 |
| UNDER 17 YEARS | 100.00 | 80.7 | 7.1 | 1.9 | - |
| 17 - 44 YEARS | 100.00 | 82.5 | 5.2 | 4.0 | 3.7 |
| 45 - 64 YEARS | 100.00 | 81.7 | 7.9 | 3.2 | 4.7 |
| 65 YEARS AND OVER | 100.00 | 76.2 | 6.5 | 9.7 | 7.2 |
| *$20,000 - $24,999* | | | | | |
| ALL AGES | 100.00 | 84.1 | 6.8 | 3.7 | 2.3 |
| UNDER 17 YEARS | 100.00 | 91.1 | 1.7 | 1.3 | 2.0 |
| 17 - 44 YEARS | 100.00 | 86.5 | 6.4 | 2.5 | 1.7 |
| 45 - 64 YEARS | 100.00 | 82.8 | 8.1 | 3.5 | 2.5 |
| 65 YEARS AND OVER | 100.00 | 71.1 | 12.0 | 10.3 | 4.1 |
| *$25,000 AND OVER* | | | | | |
| ALL AGES | 100.00 | 87.9 | 4.2 | 3.0 | 1.9 |
| UNDER 17 YEARS | 100.00 | 93.9 | 0.7 | 1.1 | 0.1 |
| 17 - 44 YEARS | 100.00 | 90.8 | 3.6 | 2.1 | 0.7 |
| 45 - 64 YEARS | 100.00 | 86.7 | 5.0 | 2.8 | 2.3 |
| 65 YEARS AND OVER | 100.00 | 71.7 | 9.2 | 9.5 | 7.9 |

*Percentage difference accounts for unknown activity limitation.

INCIDENCE OF ACUTE CONDITIONS PER YEAR BY GEOGRAPHIC AREA, 1984*

| | STATE | OAHU | EAST HON. | WEST HON. | CENTRAL OAHU | WAIANAE | WIND-WARD | KAUAI | MAUI COUNTY | HAWAII |
|---|---|---|---|---|---|---|---|---|---|---|
| ALL ACUTE CONDITIONS | 2,068,889 | 1,584,214 | 370,366 | 137,876 | 711,761 | 70,675 | 293,536 | 79,247 | 172,558 | 232,871 |
| INFECTIVE PARASITIC DISEASES | 80,412 | 60,692 | 7,741 | 3,466 | 34,315 | 4,710 | 10,460 | 3,098 | 5,269 | 11,352 |
| RESPIRATORY CONDITIONS | 1,560,031 | 1,236,966 | 282,463 | 109,579 | 574,355 | 54,965 | 215,604 | 51,766 | 125,833 | 145,466 |
| DIGESTIVE SYSTEM CONDITIONS | 36,312 | 24,374 | 10,486 | 982 | 8,855 | 772 | 3,281 | 1,874 | 3,535 | 6,528 |
| INJURIES | 166,752 | 102,581 | 31,524 | 7,690 | 39,557 | 4,099 | 19,711 | 7,836 | 18,287 | 38,048 |
| ALL OTHER ACUTE CONDITIONS | 225,382 | 159,600 | 38,152 | 16,160 | 54,679 | 6,130 | 44,479 | 14,672 | 19,633 | 31,476 |

*Numbers may not add up due to rounding.

TABLE 20
NUMBER OF ACUTE CONDITIONS PER 100 PERSONS PER YEAR BY GEOGRAPHIC AREA, 1984

| | STATE | OAHU | EAST HON. | WEST HON. | CENTRAL OAHU | WAIANAE | WIND-WARD | KAUAI | MAUI COUNTY | HAWAII |
|---|---|---|---|---|---|---|---|---|---|---|
| ALL ACUTE CONDITIONS | 226.7 | 232.3 | 180.5 | 189.1 | 269.0 | 252.8 | 264.1 | 182.7 | 209.3 | 222.1 |
| INFECTIVE PARASITIC DISEASES | 8.8 | 8.9 | 3.7 | 4.7 | 12.9 | 16.8 | 9.4 | 7.1 | 6.3 | 10.8 |
| RESPIRATORY CONDITIONS | 171.0 | 181.4 | 137.6 | 150.2 | 217.1 | 196.6 | 194.0 | 119.4 | 152.6 | 138.7 |
| DIGESTIVE SYSTEM CONDITIONS | 3.9 | 3.5 | 5.1 | 1.3 | 3.3 | 2.7 | 2.9 | 4.3 | 4.2 | 6.2 |
| INJURIES | 18.2 | 15.0 | 15.3 | 10.5 | 14.9 | 14.6 | 17.7 | 18.0 | 22.1 | 36.3 |
| ALL OTHER ACUTE CONDITIONS | 24.7 | 23.4 | 18.5 | 22.1 | 20.6 | 21.9 | 40.0 | 33.8 | 23.8 | 30.0 |

TABLE 21
INCIDENCE OF ACUTE CONDITIONS IN THE PAST YEAR BY AGE, 1984*

| | ALL AGES | UNDER 17 YEARS | 17 - 44 YEARS | 45 - 64 YEARS | 65 YEARS AND OVER |
|---|---|---|---|---|---|
| All Acute Conditions | 2,068,889 | 850,943 | 866,086 | 258,180 | 93,680 |
| Infective Parasitic Diseases | 80,412 | 40,912 | 29,964 | 6,343 | 3,193 |
| Respiratory Conditions | 1,560,031 | 676,807 | 627,208 | 197,064 | 58,952 |
| Digestive System Conditions | 36,312 | 10,536 | 15,947 | 4,742 | 5,087 |
| Injuries | 166,752 | 35,591 | 97,688 | 23,394 | 10,079 |
| All Other Acute Conditions | 225,382 | 87,097 | 95,279 | 26,636 | 16,369 |

*Numbers may not add up due to rounding.

TABLE 22
NUMBER OF ACUTE CONDITIONS PER 100 PERSONS PER YEAR BY AGE, 1984

| | ALL AGES | UNDER 17 YEARS | 17 - 44 YEARS | 45 - 64 YEARS | 65 YEARS AND OVER |
|---|---|---|---|---|---|
| All Acute Conditions | 226.7 | 331.2 | 211.4 | 148.9 | 129.0 |
| Infective Parasitic Diseases | 8.8 | 15.9 | 7.3 | 3.6 | 4.3 |
| Respiratory Conditions | 171.0 | 263.4 | 153.1 | 113.7 | 81.2 |
| Digestive System Conditions | 3.9 | 4.1 | 3.8 | 2.7 | 7.0 |
| Injuries | 18.2 | 13.8 | 23.8 | 13.5 | 13.8 |
| All Other Acute Conditions | 24.7 | 33.9 | 23.2 | 15.3 | 22.5 |

TABLE 23
INCIDENCE OF ACUTE CONDITIONS FOR MALES IN THE PAST YEAR BY AGE, 1984*

| | ALL AGES | UNDER 17 YEARS | 17 - 44 YEARS | 45 - 64 YEARS | 65 YEARS AND OVER |
|---|---|---|---|---|---|
| All Acute Conditions | 989,412 | 416,062 | 401,969 | 123,046 | 47,436 |
| Infective Parasitic Diseases | 34,289 | 19,619 | 12,449 | 1,945 | 276 |
| Respiratory Conditions | 744,187 | 326,010 | 293,082 | 95,160 | 29,935 |
| Digestive System Conditions | 19,298 | 5,302 | 7,094 | 2,471 | 4,432 |
| Injuries | 102,905 | 23,086 | 60,137 | 14,663 | 5,020 |
| All Other Acute Conditions | 88,733 | 42,046 | 29,207 | 9,707 | 7,774 |

*Numbers may not add up due to rounding.

TABLE 24
NUMBER OF ACUTE CONDITIONS PER 100 MALES PER YEAR BY AGE, 1984

| | ALL AGES | UNDER 17 YEARS | 17 - 44 YEARS | 45 - 64 YEARS | 65 YEARS AND OVER |
|---|---|---|---|---|---|
| All Acute Conditions | 216.6 | 316.7 | 195.9 | 148.4 | 129.2 |
| Infective Parasitic Diseases | 7.5 | 14.9 | 6.0 | 2.3 | 0.7 |
| Respiratory Conditions | 162.9 | 248.1 | 142.8 | 113.9 | 81.5 |
| Digestive System Conditions | 4.2 | 4.0 | 3.4 | 2.9 | 12.0 |
| Injuries | 22.5 | 17.5 | 29.3 | 17.5 | 13.6 |
| All Other Acute Conditions | 19.4 | 32.0 | 14.2 | 11.6 | 21.1 |

TABLE 25
INCIDENCE OF ACUTE CONDITIONS FOR FEMALES IN THE PAST YEAR BY AGE, 1984*

| | ALL AGES | UNDER 17 YEARS | 17 - 44 YEARS | 45 - 64 YEARS | 65 YEARS AND OVER |
|---|---|---|---|---|---|
| All Acute Conditions | 1,079,477 | 434,881 | 464,117 | 134,234 | 46,244 |
| Infective Parasitic Diseases | 46,123 | 21,293 | 17,515 | 4,398 | 2,917 |
| Respiratory Conditions | 815,844 | 350,797 | 334,126 | 101,904 | 29,017 |
| Digestive System Conditions | 17,014 | 5,234 | 8,852 | 2,272 | 655 |
| Injuries | 63,847 | 12,505 | 37,552 | 8,731 | 5,059 |
| All Other Acute Conditions | 136,649 | 45,052 | 66,072 | 16,930 | 8,596 |

*Numbers may not add up due to rounding.

TABLE 26
NUMBER OF ACUTE CONDITIONS PER 100 FEMALES PER YEAR BY AGE, 1984

| | ALL AGES | UNDER 17 YEARS | 17 - 44 YEARS | 45 - 64 YEARS | 65 YEARS AND OVER |
|---|---|---|---|---|---|
| All Acute Conditions | 236.9 | 346.5 | 227.0 | 149.4 | 128.7 |
| Infective Parasitic Diseases | 10.1 | 16.9 | 8.5 | 4.8 | 8.1 |
| Respiratory Conditions | 179.0 | 279.5 | 163.4 | 113.4 | 80.8 |
| Digestive System Conditions | 3.7 | 4.1 | 4.3 | 2.5 | 1.8 |
| Injuries | 14.0 | 9.9 | 18.3 | 9.7 | 14.0 |
| All Other Acute Conditions | 29.9 | 35.8 | 32.3 | 18.8 | 23.9 |

TABLE 27
INCIDENCE OF ACUTE CONDITIONS IN THE PAST YEAR BY ETHNICITY, 1984

| | CAUCASIAN | JAPANESE | HAWAIIAN PT. HAWAIIAN | FILIPINO | CHINESE | OTHER & UNKNOWN |
|---|---|---|---|---|---|---|
| All Acute Conditions | 489,106 | 331,157 | 545,648 | 206,495 | 64,948 | 431,536 |
| Infective Parasitic Diseases | 25,788 | 20,555 | 12,644 | 10,280 | 2,736 | 8,408 |
| Respiratory Conditions | 333,134 | 238,529 | 426,944 | 160,937 | 50,778 | 349,709 |
| Digestive System Conditions | 9,888 | 4,070 | 7,822 | 3,272 | 950 | 10,309 |
| Injuries | 55,381 | 33,134 | 40,435 | 9,892 | 3,289 | 24,620 |
| All Other Acute Conditions | 64,914 | 34,868 | 57,803 | 22,114 | 7,194 | 38,489 |

TABLE 28
NUMBER OF ACUTE CONDITIONS PER 100 PERSONS PER YEAR BY ETHNICITY, 1984

| | CAUCASIAN | JAPANESE | HAWAIIAN PT. HAWAIIAN | FILIPINO | CHINESE | OTHER & UNKNOWN |
|---|---|---|---|---|---|---|
| All Acute Conditions | 243.0 | 157.9 | 279.7 | 192.6 | 164.0 | 270.4 |
| Infective Parasitic Diseases | 12.8 | 9.8 | 6.4 | 9.5 | 6.9 | 5.2 |
| Respiratory Conditions | 165.5 | 113.7 | 218.9 | 150.1 | 128.2 | 219.1 |
| Digestive System Conditions | 4.9 | 1.9 | 4.0 | 3.0 | 2.4 | 6.4 |
| Injuries | 27.5 | 15.8 | 20.7 | 9.2 | 8.3 | 15.4 |
| All Other Acute Conditions | 32.2 | 16.6 | 29.6 | 20.6 | 18.1 | 24.1 |

TABLE 29
NUMBER OF ACUTE CONDITIONS PER 100
PERSONS PER YEAR (1979-1984)

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 * |
|---|---|---|---|---|---|---|
| All Acute Conditions | 209.2 | 168.8 | 204.8 | 224.0 | 208.6 | 226.7 |
| Infective Parasitic Diseases | 14.1 | 10.2 | 16.9 | 15.4 | 10.1 | 8.8 |
| Respiratory Conditions | 138.8 | 114.0 | 141.4 | 156.3 | 154.1 | 171.0 |
| Digestive System Conditions | 3.7 | 3.2 | 3.7 | 3.3 | 3.9 | 3.9 |
| Injuries | 27.8 | 21.1 | 18.2 | 21.2 | 17.4 | 18.2 |
| All Other Acute Conditions | 24.8 | 20.3 | 24.5 | 27.9 | 23.1 | 24.7 |

*Excludes the military housing population.*

TABLE 30
NUMBER OF RESTRICTED DAYS FOR PERSONS IN THE PAST 12 MONTHS
BY GEOGRAPHIC AREA AND AGE, 1984*

| | All Ages | Under 17 | 17-44 Years | 45-64 Years | 65 & Over |
|---|---|---|---|---|---|
| State | 12,844,585 | 2,790,960 | 5,100,796 | 2,818,090 | 2,134,740 |
| Oahu | 9,298,492 | 2,224,806 | 3,597,336 | 1,967,735 | 1,508,615 |
| East Honolulu | 2,326,914 | 251,060 | 895,544 | 613,334 | 566,975 |
| West Honolulu | 1,239,833 | 281,042 | 387,235 | 245,213 | 326,342 |
| Central Oahu | 3,057,866 | 1,006,058 | 1,219,646 | 549,396 | 282,766 |
| Waianae | 895,231 | 329,064 | 337,804 | 163,273 | 65,090 |
| Windward | 1,778,647 | 357,581 | 757,106 | 396,518 | 267,442 |
| Kauai | 326,058 | 65,404 | 109,890 | 72,233 | 78,532 |
| Maui County | 1,498,196 | 235,090 | 675,280 | 301,320 | 286,507 |
| Hawaii | 1,721,839 | 265,661 | 718,290 | 476,802 | 261,086 |

*Numbers may not add up due to rounding.

TABLE 31
AVERAGE NUMBER OF RESTRICTED DAYS PER PERSON PER YEAR
IN THE PAST 12 MONTHS BY GEOGRAPHIC AREA AND AGE, 1984

| | All Ages | Under 17 | 17-44 Years | 45-64 Years | 65 & Over |
|---|---|---|---|---|---|
| State | 14.1 | 10.9 | 12.5 | 16.3 | 29.4 |
| Oahu | 13.7 | 11.8 | 11.4 | 15.5 | 31.0 |
| East Honolulu | 11.4 | 6.8 | 9.5 | 12.3 | 24.5 |
| West Honolulu | 17.0 | 14.2 | 13.7 | 15.5 | 36.4 |
| Central Oahu | 11.6 | 11.6 | 9.4 | 14.6 | 29.9 |
| Waianae | 32.1 | 30.1 | 29.3 | 40.3 | 45.5 |
| Windward | 16.0 | 10.2 | 15.0 | 19.9 | 46.9 |
| Kauai | 7.6 | 5.3 | 6.4 | 8.4 | 16.2 |
| Maui County | 18.2 | 10.0 | 19.6 | 18.7 | 34.6 |
| Hawaii | 16.5 | 8.6 | 17.1 | 22.9 | 24.4 |

TABLE 32
NUMBER OF BED DAYS FOR PERSONS IN THE PAST 12 MONTHS
BY GEOGRAPHIC AREA AND AGE, 1984*

| | All Ages | Under 17 | 17-44 Years | 45-64 Years | 65 & Over |
|---|---|---|---|---|---|
| State | 4,091,795 | 1,143,223 | 1,568,711 | 783,904 | 595,957 |
| Oahu | 2,852,981 | 865,099 | 1,071,330 | 566,588 | 349,963 |
| East Honolulu | 454,315 | 88,894 | 161,642 | 157,818 | 45,961 |
| West Honolulu | 246,684 | 88,026 | 41,148 | 41,435 | 76,075 |
| Central Oahu | 1,320,444 | 442,332 | 502,393 | 219,516 | 156,203 |
| Waianae | 380,419 | 147,384 | 132,695 | 73,158 | 27,182 |
| Windward | 451,118 | 98,464 | 233,452 | 74,662 | 44,542 |
| Kauai | 136,066 | 29,227 | 32,548 | 31,754 | 42,536 |
| Maui County | 283,805 | 67,963 | 146,467 | 39,215 | 30,160 |
| Hawaii | 818,944 | 180,934 | 318,366 | 146,346 | 173,298 |

*Numbers may not add up due to rounding.

TABLE 33
AVERAGE NUMBER OF BED DAYS PER PERSON PER YEAR
IN THE PAST 12 MONTHS BY GEOGRAPHIC AREA AND AGE, 1984

| | All Ages | Under 17 | 17-44 Years | 45-64 Years | 65 & Over |
|---|---|---|---|---|---|
| State | 4.4 | 4.4 | 3.8 | 4.5 | 8.2 |
| Oahu | 4.1 | 4.5 | 3.3 | 4.4 | 7.1 |
| East Honolulu | 2.2 | 2.4 | 1.7 | 3.1 | 1.9 |
| West Honolulu | 3.3 | 4.4 | 1.4 | 2.6 | 8.4 |
| Central Oahu | 4.9 | 5.0 | 3.8 | 5.8 | 16.5 |
| Waianae | 13.6 | 13.4 | 11.5 | 18.0 | 19.0 |
| Windward | 4.0 | 2.8 | 4.6 | 3.7 | 7.7 |
| Kauai | 3.1 | 2.3 | 1.8 | 3.6 | 8.7 |
| Maui County | 3.4 | 2.8 | 4.2 | 2.4 | 3.6 |
| Hawaii | 7.8 | 5.8 | 7.5 | 7.0 | 16.1 |

TABLE 34
TOTAL NUMBER AND AVERAGE SCHOOL DAYS LOST PER PERSON 6-16 YEARS OF AGE
IN THE PAST 12 MONTHS BY GEOGRAPHIC AREA AND AGE, 1984*

| | TOTAL | AVERAGE |
|---|---|---|
| State | 525,532 | 3.2 |
| Oahu | 370,385 | 3.0 |
| East Honolulu | 77,587 | 3.0 |
| West Honolulu | 48,650 | 3.8 |
| Central Oahu | 119,292 | 2.2 |
| Waianae | 10,918 | 1.6 |
| Windward | 113,938 | 5.2 |
| Kauai | 24,491 | 3.1 |
| Maui County | 32,512 | 2.2 |
| Hawaii | 98,144 | 5.1 |

*Numbers may not add up due to rounding.

# HAWAII STATE HEALTH PLANNING AND DEVELOPMENT AGENCY

## *HAWAII STATE HEALTH PLANNING AND DEVELOPMENT AGENCY*

### *Annual Summary of Acute, Long Term Care and Specialty Hospital Utilization by County, 1979 - 1984*

*Hawaii's State Health Planning and Development Agency (SHPDA) is an agency of state government, administratively attached to the State Department of Health. The Agency (SHPDA) works with the Hawaii Statewide Health Coordinating Council (HSHCC) and the eight Subarea Health Planning Councils (SACs) throughout the State. Authorized by the National Health Planning and Resources Development Act, the Agency was established in July, 1976 after amendments to Chapter 323D, Hawaii Revised Statutes. The Hawaii State Legislature appropriates funds for the Agency, to match Federal funds provided by the Department of Health and Human Services.*

*One of the responsibilities of the Agency is to draft a state health plan. The Agency also staffs HSHCC and the eight SACs, and promotes the implementation of the Health Services and Facilities Plan. The goals of the Agency's planning and development activities are:*

1. *Improve the health of the residents of the State.*
2. *Increase the accessibility, acceptability, availability, continuity and quality of health services provided them.*
3. *Contain increases in the cost of providing health services.*
4. *Prevent the unnecessary duplication of health resources.*

*The Agency collects information on the utilization of inpatient facilities in the State and prepares an annual summary. The data in this report were obtained by SHPDA directly from each of the inpatient facilities in the State. In 1979, SHPDA initiated a Quarterly Utilization Report which included daily census data from each facility for each type of bed. The 1979-84 facility data are complete, as reported to the Agency.*

*Admissions*

*The number of admissions is defined as the number of inpatient admissions. A given person could be admitted more than once during a year. The critical care admissions are included in the categories shown. Data on the use rate of critical care beds are available at SHPDA.*

*The number of admissions multiplied by the average length of stay produces the total number of patient days.*

*Average Daily Census (ADC)*

*The average daily census provides the mean number of beds occupied during the year. The average daily census multiplied by 365 gives the total number of patient days per year. The average daily census divided by the bed capacity and multiplied by 100 gives the occupancy rate.*

*Occupancy Rates*

*As mentioned above, percentage occupancy can be computed by dividing the ADC by the number of licensed beds and multiplying by 100. This provides an idea of the proportion of bed capacity occupied on the average day. As with ADC, this will fluctuate from day to day and by type of bed and place. There*

*Annual Summary of Acute, Long Term Care and Specialty Hospital Utilization by County, 1979 - 1984 (Continued)*

*are national standards which are felt to indicate optimal bed occupancy levels. If a hospital's occupany is too high, it may not have adequate capacity to accept new patients. Also, some extra beds are always needed in order to allow for maintenance, etc. Usually, high occupancy in long term care beds is more acceptable, i.e., above 95%, since there is less daily fluctuation in daily census. In acute care, particularly where patients are admitted on a non-scheduled basis, e.g., OB, CCU, etc., the optimal occupancy can be lower in order to permit unforeseen admissions. For other types of acute beds, an occupany of about 80-85% is acceptable because admissions can be scheduled if bed capacity is fully utilized on a given day.*

*In some instances, occupancy may run over 100% because of an overflow situation. This might occur if there are, for example, too many of a given type of patient who must be temporarily assigned to another bed type. Where occupancy rates are very high, this is an indication of an inadequate supply of that type of bed on a given island; where they are low, it is an indication of either an adequate supply or surplus of that type of bed on that island.*

*Average Length of Stay (ALOS)*

*The average length of stay is the average number of days patients remain in the facility per hospital stay. For acute care, this is computed by dividing the total patient days by the number of admissions. For long term care, this is computed dividing the patient days by the number of discharges. This is done because long term care patients may remain in a facility for several years.*

*Length of stay can be thought of as an indicator of either efficiency or seriousness of patient's illness. Where facilities are able to discharge patients in a shorter time, they might be thought of as being more efficient. However, in some instance whwere patients remain out of a hospital until their condition is more serious or where outpatient care is encouraged for less serious conditions, patients admitted may be required to stay longer.*

*In addition, in the event that long term care patients are occupying acute beds because they cannot find long term accommodations, this may tend to increase the acute length of stay--confusing the interpretation. It would be best if, when computing length of stay, waitlisted long term care patients could be omitted from the acute inpatient care data. This has not been done in these data.*

TABLE 1
SHPDA RECOGNIZED ACUTE CARE BED CAPACITY
STATE OF HAWAII, 1985

| | Medical/ Surgical | Critical Care[a] | Obstetric | Pediatric | Neonatal ICU | Psych | Total |
|---|---|---|---|---|---|---|---|
| METROPOLITAN | | | | | | | |
| Kaiser | 110 | 16 | 30 | 18 | - | - | 174 |
| Kapiolani | 68 | 22[b] | 60 | 64 | 12[c] | - | 226 |
| Kuakini | 225 | 25 | - | - | - | - | 250 |
| Queen's | 404 | 27 | 25 | - | - | 50 | 506 |
| St.Francis | 230 | 22 | - | 4 | - | - | 256 |
| Straub | 136 | 23 | - | - | - | - | 159 |
| Subtotal | 1173 | 135 | 115 | 86 | 12 | 50 | 1571 |
| SUBURBAN | | | | | | | |
| Castle | 79 | 8 | 14 | - | - | 55 | 156 |
| Kahuku | 6 | 2 | 3 | - | - | - | 11 |
| Wahiawa | 50 | 5 | 14 | - | - | 25 | 94 |
| Subtotal | 135 | 15 | 31 | - | - | 80 | 261 |
| OAHU TOTAL | 1308 | 150 | 146 | 86 | 12 | 130 | 1832 |
| MILITARY | | | | | | | |
| Tripler | 387 | - | 41 | 17 | - | 64 | 509[d] |
| HAWAII COUNTY | | | | | | | |
| Hilo | 84 | 12 | 18 | 30 | - | 21 | 165 |
| Honokaa | 19 | 2 | 4 | 2 | - | - | 27 |
| Ka'u | 4 | 1 | 2 | - | - | - | 7 |
| Kohala | 4 | - | 4 | - | - | - | 8 |
| Kona | 31 | 6 | 8 | - | - | 8 | 53 |
| Subtotal | 142 | 21 | 36 | 32 | - | 29 | 260 |
| MAUI COUNTY | | | | | | | |
| Maui Island | | | | | | | |
| Hana | 4 | - | - | - | - | - | 4 |
| Kula | 4 | - | - | - | - | - | 4 |
| Maui | 87 | 8 | 21 | 12 | - | 14 | 142 |
| Lanai Island | | | | | | | |
| Lanai | 3 | 1 | 1 | - | - | 1 | 6 |
| Molokai Island | | | | | | | |
| Molokai | 5 | - | 4 | - | - | - | 9 |
| Subtotal | 103 | 9 | 26 | 12 | - | 15 | 165 |
| KAUAI COUNTY | | | | | | | |
| Mahelona | - | - | - | - | - | 9 | 9 |
| Kauai Vet. | 29 | 2 | 7 | - | - | - | 38 |
| G.N. Wilcox | 64 | 8 | 9 | - | - | - | 81 |
| Subtotal | 93 | 10 | 16 | - | - | 9 | 128 |
| N. I. TOTAL | 338 | 40 | 78 | 44 | - | 53 | 553 |
| STATE TOTAL W/O TRIPLER | 1646 | 190 | 224 | 130 | 12 | 183 | 2385 |
| STATE TOTAL W/ TRIPLER | 2033 | 190 | 265 | 147 | 12 | 247 | 2894 |

a. Includes coronary and intensive care units
b. Includes 6 Ped ICU, 6 Ped Intermediate Care and 10 Perinatal intensive care (PICU)
c. 12 neonatal isolettes
d Tripler uses a total bed capacity of 561, which includes 52 nursery beds

SOURCE: SHPDA, May, 1985

TABLE 2
SHPDA RECOGNIZED LONG TERM CARE BED CAPACITY
STATE OF HAWAII, 1985

| | Skilled Nursing | Intermediate | SNF/ICF | Acute/SNF Swing | Total |
|---|---|---|---|---|---|
| OAHU | | | | | |
| Ann Pearl | - | 86 | - | - | 86 |
| Arcadia | 56 | - | - | - | 56 |
| Beverly Manor | - | - | 108 | - | 108 |
| Convalescent Center | - | - | 182 | - | 182 |
| Crawford's | - | 68 | - | - | 68 |
| Hale Ho Aloha | - | 73 | - | - | 73 |
| Hale Malamalama | - | 31 | - | - | 31 |
| Hale Nani | - | - | 232 | - | 232 |
| Island Nursing | 42 | - | - | - | 42 |
| Kahanaola | - | - | 42 | - | 42 |
| Kahuku | 11 | - | - | 4 | 15 |
| Kuakini | 50 | 100 | - | - | 150 |
| Leahi | 92 | 38 | - | - | 130 |
| Leeward | - | 50 | - | - | 50 |
| Maluhia | - | - | 158 | - | 158 |
| Maunalani | 101 | - | - | - | 101 |
| Nuuanu Hale | 75 | - | - | - | 75 |
| St. Francis | 52 | - | - | - | 52 |
| Wahiawa | - | - | 91 | - | 91 |
| Total Oahu | 479 | 446 | 813 | 4 | 1742 |
| HAWAII COUNTY | | | | | |
| Life Care Center | - | 240 | - | - | 240 |
| Hilo Hospital | 36 | 72 | - | - | 108 |
| Honokaa | 8 | - | - | - | 8 |
| Ka'u | 8 | - | - | - | 8 |
| Kohala | 2 | 16 | - | - | 18 |
| Kona | - | - | 22 | - | 22 |
| Total Hawaii County | 54 | 328 | 22 | - | 404 |
| MAUI COUNTY | | | | | |
| Hale Makua | 120 | 124 | - | - | 244 |
| Kula | - | - | 94 | - | 94 |
| Lanai | - | - | 8 | - | 8 |
| Molokai | - | - | - | 22 | 22 |
| Total Maui County | 120 | 124 | 102 | 22 | 368 |
| KAUAI COUNTY | | | | | |
| Kauai Veterans | 6 | - | - | - | 6 |
| Mahelona | - | - | 56 | - | 56 |
| G. N. Wilcox | - | - | 74 | - | 74 |
| Total Kauai County | 6 | - | 130 | - | 136 |
| STATE TOTAL | 659 | 898 | 1067 | 26 | 2650 |

SOURCE: SHPDA, May, 1985

Table 3
SHPDA RECOGNIZED SPECIALTY CARE BED CAPACITY
STATE OF HAWAII, 1985

| | Psych | TB | MR | ICF/MR | SNF/MR | Leprosy | Rehab | Children's Ortho | H/S | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Hale Mohalu | - | - | - | - | - | 21 | - | - | - | 21 |
| Hawaii State | 219 | - | - | - | - | - | - | - | - | 219 |
| Kahi Mohala | 88 | - | - | - | - | - | - | - | - | 88 |
| Kalaupapa | - | - | - | - | - | 24 | - | - | - | 24 |
| Kula | - | - | 8 | - | - | - | - | - | - | 8 |
| Leahi | 20 | 14 | - | - | - | - | - | - | 5 | 39 |
| Mahelona | - | 11 | - | - | - | - | - | - | - | 11 |
| Rehab. Hospital | - | - | - | - | - | - | 100 | - | - | 100 |
| Shriner's | - | - | - | - | - | - | - | 40 | - | 40 |
| Waimano | - | - | - | 350 | 60 | - | - | - | - | 410 |
| GRAND TOTAL | 327 | 25 | 8 | 350 | 60 | 45 | 100 | 40 | 5 | 960 |

SOURCE: SHPDA Bed Inventory, March 31, 1985

AVERAGE LENGTH OF STAY BY COUNTIES

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|
| LONG TERM CARE | | | | | | |
| Oahu | 400.4 | 362.8 | 390.5 | 387.8 | 409.2 | 452 |
| Hawaii | 276.6 | 239.8 | 304.3 | 336.6 | 233.2 | 274 |
| Kauai | 292.7 | 242.7 | 354.6 | 335.8 | 263.5 | 194 |
| Tri-Isle | 354.0 | 384.4 | 347.1 | 330.8 | 406.5 | 264 |
| Maui | 359.2 | 316.3 | 347.6 | 338.4 | 426.4 | 263 |
| Molokai | 322.1 | 409.2 | 263.0 | 203.3 | 213.7 | 195 |
| Lanai | - | 342.3 | 286.1 | 323.1 | 216.2 | 696 |
| TOTAL ACUTE | | | | | | |
| Oahu w/o Tripler | 6.7 | 6.5 | 6.5 | 6.6 | 6.3 | 5.9 |
| Hawaii | 3.9 | 3.8 | 4.7 | 4.1 | 4.2 | 4.3 |
| Kauai | 5.7 | 5.2 | 4.7 | 5.5 | 4.6 | 4.4 |
| Tri-Isle | 4.8 | 4.8 | 4.9 | 4.9 | 4.9 | 4.7 |
| Maui | 5.0 | 4.9 | 4.8 | 5.1 | 3.5 | 4.9 |
| Molokai | 2.3 | 2.7 | 2.5 | 2.7 | 3.7 | 2.9 |
| Lanai | 1.6 | 2.3 | 4.9 | 2.9 | 4.2 | 4.3 |
| MEDICAL-SURGICAL | | | | | | |
| Oahu w/o Tripler | 8.0 | 7.7 | 7.4 | 7.6 | 7.1 | 6.7 |
| Hawaii | 4.4 | 4.2 | 4.5 | 4.6 | 5.2 | 5.5 |
| Kauai | 7.5 | 6.6 | 7.4 | 7.8 | 6.0 | 5.3 |
| Tri-Isle | 5.7 | 5.7 | 5.6 | 5.0 | 5.9 | 5.7 |
| Maui | 5.9 | 5.8 | 5.7 | 6.1 | 6.0 | 5.9 |
| Molokai | 2.6 | 3.0 | 3.1 | 3.5 | 4.6 | 3.2 |
| Lanai | 1.7 | 2.5 | 2.5 | 3.0 | 5.3 | 4.9 |
| CRITICAL CARE (ICU/CCU) | | | | | | |
| Oahu w/o Tripler | 4.6 | 3.8 | - | 7.2 | 7.7 | 5.0 |
| Hawaii | 2.5 | 2.8 | 3.2 | 2.9 | 2.7 | 2.6 |
| Kauai | 2.4 | 2.6 | 2.0 | 2.1 | 1.5 | 1.8 |
| Tri-Isle | 3.3 | 3.1 | 3.0 | 3.2 | 2.6 | 2.8 |
| Maui | 3.3 | 3.1 | - | 3.2 | 2.6 | 2.8 |
| OBSTETRIC | | | | | | |
| Oahu w/o Tripler | 3.1 | 3.3 | 3.3 | 3.2 | 3.1 | 3.2 |
| Hawaii | 2.5 | 2.5 | 2.4 | 2.3 | 2.2 | 2.2 |
| Kauai | 2.6 | 2.5 | 2.5 | 2.6 | 2.0 | 2.4 |
| Tri-Isle | 2.2 | 2.2 | 2.1 | 2.0 | 2.0 | 2.0 |
| Maui | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | 2.0 |
| Molokai | 1.8 | 1.5 | 1.6 | 1.5 | 1.5 | 1.4 |
| Lanai | 1.5 | 2.0 | - | 1.3 | 1.4 | 2.1 |
| PEDIATRIC | | | | | | |
| Oahu w/o Tripler | 4.0 | 3.9 | 3.9 | 3.9 | 3.8 | 3.9 |
| Hawaii | 3.3 | 3.0 | 2.9 | 2.8 | 2.8 | 2.7 |
| Kauai | 3.1 | 2.8 | 3.1 | 2.6 | 2.2 | ... |
| Tri-Isle | 3.6 | 3.1 | 3.0 | 4.0 | 3.5 | 3.5 |
| Maui | 3.9 | 3.1 | 3.2 | 3.9 | 3.7 | 3.5 |
| Molokai | 2.0 | 2.9 | 1.3 | 1.0 | 1.8 | ... |
| PSYCHIATRIC | | | | | | |
| Oahu w/o Tripler | 10.8 | 11.4 | 10.0 | 11.4 | 10.0 | 11.9 |
| Hawaii | 6.6 | 7.8 | 8.1 | 9.1 | 7.8 | 6.3 |
| Kauai | 11.4 | 9.1 | 7.8 | 6.4 | 6.9 | 6.4 |
| Tri-Isle | 6.0 | 7.3 | 9.0 | 6.4 | 6.3 | 7.3 |
| Maui | 6.1 | 7.7 | 9.4 | 6.7 | 6.3 | 7.3 |
| Molokai | 1.4 | 1.6 | 1.0 | 1.3 | ... | ... |
| MENTALLY RETARDED | | | | | | |
| State | 2263.0 | 1469.1 | 1761.5 | 3372.9 | | 2584.7 |
| SPECIALTY | | | | | | |
| State | 129.7 | 129.7 | 122.5 | 116.6 | | 257.9 |

TABLE 5
OCCUPANCY RATES BY COUNTIES

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|
| LONG TERM CARE | | | | | | |
| Oahu | 94.3 | 91.4 | 94.4 | 96.0 | 95.4 | 97.3 |
| Hawaii | 87.3 | 92.9 | 95.3 | 82.9 | 94.6 | 95.2 |
| Kauai | 98.7 | 94.8 | 101.2 | 99.8 | 94.5 | 96.3 |
| Tri-Isle | 79.2 | 87.6 | 93.2 | 94.9 | 96.8 | 92.6 |
| Maui | 79.6 | 89.2 | 94.4 | 95.4 | 97.5 | 95.0 |
| Molokai | 117.7 | 46.6 | 78.3 | 92.5 | 97.6 | 55.8 |
| Lanai | 21.8 | 81.8 | 68.8 | 77.5 | 66.6 | 95.1 |
| TOTAL ACUTE | | | | | | |
| Oahu w/o Tripler | 77.7 | 77.3 | 78.1 | 79.1 | 76.5 | 70.8 |
| Hawaii | 43.2 | 46.0 | 50.0 | 49.5 | 48.2 | 48.3 |
| Kauai | 51.4 | 46.1 | 51.8 | 57.4 | 49.5 | 43.8 |
| Tri-Isle | 51.0 | 57.7 | 54.9 | 59.1 | 62.3 | 58.2 |
| Maui | 61.6 | 63.9 | 62.1 | 65.5 | 67.3 | 60.4 |
| Molokai | 11.1 | 20.8 | 20.0 | 19.3 | 34.0 | 41.4 |
| Lanai | .6 | 2.5 | 1.7 | 5.0 | 13.3 | 12.7 |
| MEDICAL-SURGICAL | | | | | | |
| Oahu w/o Tripler | 81.3 | 81.6 | 81.7 | 83.0 | 77.2 | 69.8 |
| Hawaii | 53.1 | 57.8 | 63.3 | 63.9 | 60.8 | 62.4 |
| Kauai | 53.9 | 49.8 | 58.6 | 64.1 | 54.2 | 45.8 |
| Tri-Isle | 63.0 | 76.0 | 70.4 | 76.8 | 81.8 | 65.2 |
| Maui | 78.9 | 82.6 | 79.3 | 82.5 | 86.0 | 66.1 |
| Molokai | 10.8 | 27.5 | 28.8 | 37.5 | 55.0 | 67.4 |
| Lanai | .9 | 3.5 | 3.3 | 10.0 | 23.3 | 22.5 |
| CRITICAL CARE (ICU/CCU) | | | | | | |
| Oahu w/o Tripler | 67.4 | 53.3 | 68.5 | 80.0 | 73.5 | 63.6 |
| Hawaii | 41.6 | 39.6 | 41.9 | 41.7 | 39.0 | 44.9 |
| Kauai | 29.9 | 27.9 | 6.0 | 36.0 | 28.0 | 29.5 |
| Tri-Isle | 50.8 | 51.9 | 57.5 | 55.2 | 57.8 | 46.4 |
| Maui | 57.1 | 58.4 | 57.5 | 62.3 | 63.8 | 51.9 |
| OBSTETRICS | | | | | | |
| Oahu w/o Tripler | 69.8 | 75.9 | 76.3 | 76.8 | 81.4 | 80.7 |
| Hawaii | 35.6 | 37.7 | 37.8 | 35.9 | 33.6 | 33.7 |
| Kauai | 47.7 | 41.8 | 40.6 | 46.0 | 46.3 | 38.5 |
| Tri-Isle | 29.8 | 28.2 | 28.9 | 27.9 | 30.0 | 32.3 |
| Maui | 31.7 | 32.3 | 33.3 | 32.5 | 34.1 | 39.0 |
| Molokai | 25.0 | 12.9 | 12.5 | 10.0 | 10.0 | 8.9 |
| Lanai | .8 | 4.4 | - | 1.0 | 5.0 | 6.3 |
| PEDIATRICS | | | | | | |
| Oahu w/o Tripler | 43.4 | 41.1 | 46.9 | 47.8 | 60.0 | 54.8 |
| Hawaii | 21.6 | 18.8 | 18.5 | 16.7 | 19.0 | 14.2 |
| Kauai | 55.8 | 40.1 | 48.3 | 43.3 | 35.0 | ... |
| Tri-Isle | 23.5 | 25.4 | 25.7 | 35.5 | 31.4 | 76.2 |
| Maui | 28.9 | 26.7 | 25.8 | 40.5 | 35.0 | 76.2 |
| Molokai | 7.5 | 17.9 | 10.0 | 5.0 | 10.0 | ... |
| PSYCHIATRIC | | | | | | |
| Oahu w/o Tripler | 119.7 | 114.7 | 103.0 | 90.5 | 78.3 | 78.9 |
| Hawaii | 31.7 | 35.9 | 41.7 | 39.6 | 49.0 | 35.5 |
| Kauai | 51.4 | 36.6 | 46.7 | 36.7 | 45.6 | 48.0 |
| Tri-Isle | 26.7 | 20.0 | 21.9 | 20.0 | 19.4 | 37.6 |
| Maui | 30.3 | 22.5 | 24.3 | 22.4 | 22.1 | 41.3 |
| Molokai | 2.7 | 4.9 | 2.0 | 3.0 | ... | ... |

SHPDA: May 1985

TABLE 6
AVERAGE DAILY CENSUS BY COUNTIES

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|
| LONG TERM CARE | | | | | | |
| Oahu | 1499.7 | 1591.1 | 1644.2 | 1669.9 | 1656.8 | 1696 |
| Hawaii | 354.4 | 371.6 | 386.8 | 387.4 | 387.8 | 384 |
| Kauai | 119.5 | 114.7 | 122.4 | 125.8 | 128.5 | 131 |
| Tri-Isle | 284.2 | 320.3 | 333.8 | 339.9 | 346.4 | 341 |
| Maui | 274.3 | 308.2 | 319.0 | 322.6 | 329.4 | 321 |
| Molokai | 7.1 | 5.6 | 9.4 | 11.1 | 11.7 | 12 |
| Lanai | 1.7 | 6.5 | 5.5 | 6.2 | 5.3 | 8 |
| TOTAL ACUTE | | | | | | |
| Oahu w/o Tripler | - | 1342.2 | 1376.1 | 1417.5 | 1357.1 | 1280 |
| Hawaii | 114.5 | 121.8 | 131.0 | 129.6 | 122.5 | 124 |
| Kauai | 73.6 | 65.9 | 74.0 | 82.1 | 70.8 | 56 |
| Tri-Isle | 90.3 | 96.3 | 93.9 | 98.7 | 104.1 | 98 |
| Maui | 87.5 | 92.7 | - | 95.6 | 98.2 | 93 |
| Molokai | 2.8 | 3.1 | 3.0 | 2.9 | 5.1 | 4 |
| Lanai | .04 | .1 | .1 | .3 | .8 | 1 |
| MEDICAL-SURGICAL | | | | | | |
| Oahu w/o Tripler | 1017.3 | 1019.0 | 1039.1 | 1070.9 | 1011.2 | 913 |
| Hawaii | 75.4 | 82.1 | 89.9 | 90.7 | 86.3 | 90 |
| Kauai | 55.0 | 50.8 | 59.8 | 65.3 | 54.4 | 43 |
| Tri-Isle | 70.6 | 77.5 | 74.6 | 78.3 | 83.4 | 78 |
| Maui | 68.6 | 75.2 | 72.2 | 75.1 | 78.3 | 74 |
| Molokai | 1.9 | 2.2 | 2.3 | 3.0 | 4.4 | 3 |
| Lanai | .03 | .1 | .1 | .1 | .7 | 1 |
| CRITICAL CARE (ICU/CCU) | | | | | | |
| Oahu w/o Tripler | 86.2 | 66.1 | 95.2 | 109.6 | 118.5 | 95 |
| Hawaii | 8.7 | 8.3 | 8.8 | 8.7 | 8.2 | 9 |
| Kauai | 3.0 | 2.8 | .6 | 3.6 | 2.8 | 3 |
| Tri-Isle | 4.6 | 4.7 | 4.6 | 5.0 | 5.2 | 4 |
| Maui | 4.6 | 4.7 | 4.6 | 5.0 | 5.1 | 4 |
| OBSTETRICS | | | | | | |
| Oahu w/o Tripler | 104.7 | 113.8 | 114.5 | 115.2 | 120.5 | 118 |
| Hawaii | 12.8 | 13.6 | 13.6 | 12.9 | 12.1 | 12 |
| Kauai | 7.6 | 6.7 | 6.5 | 7.4 | 7.4 | 6 |
| Tri-Isle | 7.2 | 7.3 | 7.5 | 7.2 | 7.9 | 7 |
| Maui | 6.6 | 6.8 | 7.0 | 6.8 | 7.5 | 7 |
| Molokai | .5 | .5 | .5 | .4 | .4 | 0.0 |
| Lanai | .008 | .04 | - | - | - | 0.0 |
| PEDIATRICS | | | | | | |
| Oahu w/o Tripler | 64.2 | 60.9 | 65.6 | 67.5 | 52.3 | 47 |
| Hawaii | 7.3 | 6.4 | 6.3 | 5.7 | 6.5 | 5 |
| Kauai | 3.3 | 2.4 | 2.9 | 2.6 | 2.1 | ... |
| Tri-Isle | 3.8 | 3.6 | 3.6 | 5.0 | 4.4 | 4 |
| Maui | 3.5 | 3.2 | 3.5 | 4.9 | 4.2 | 4 |
| Molokai | .3 | .4 | .2 | .1 | .2 | ... |
| PSYCHIATRIC | | | | | | |
| Oahu w/o Tripler | 119.7 | 82.5 | 61.8 | 54.3 | 54.8 | 83 |
| Hawaii | 10.2 | 11.5 | 12.5 | 11.5 | 10.3 | 7 |
| Kauai | 4.6 | 3.3 | 4.2 | 3.3 | 6.9 | 4 |
| Tri-Isle | 4.3 | 3.2 | 3.5 | 3.2 | 6.3 | 4 |
| Maui | 4.2 | 3.1 | 3.4 | 3.1 | 6.3 | 4 |
| Molokai | .02 | .05 | .02 | .03 | ... | ... |
| MENTALLY RETARDED | | | | | | |
| State | 446.4 | 423.7 | 405.4 | 360.4 | - | 346 |
| SPECIALTY | | | | | | |
| State | 359.3 | 373.0 | 365.4 | 390.3 | - | 383 |

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TABLE 7
NUMBER OF ADMISSIONS BY COUNTY

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|
| LONG TERM CARE | | | | | | |
| Oahu | 1367[1] | 1605[2] | 1537 | 1572 | 1478 | 1373 |
| Hawaii | 471 | 567 | 464 | 420 | 607 | 513 |
| Kauai | 149 | 173 | 126 | 131 | 178 | 247 |
| Tri-Isle | 287 | 305 | 351 | 375 | 311 | 473 |
| Maui | 279 | 293 | 331 | 348 | 282 | 446 |
| Molokai | 8 | 7 | 13 | 20 | 20 | 23 |
| Lanai | - | 5 | 7 | 7 | 9 | 4 |
| TOTAL ACUTE | | | | | | |
| Oahu w/o Tripler | 74076 | 75875 | 77152 | 78155 | 78459 | 73955 |
| Hawaii | 10574 | 11599 | 10206 | 11526 | 10455 | 10328 |
| Kauai | 4727 | 4633 | 4565 | 5400 | 5597 | 4697 |
| Tri-Isle | 6801 | 7337 | 7324 | 7293 | 7820 | 7550 |
| Maui | 6359 | 6888 | 6868 | 6866 | 7253 | 7007 |
| Molokai | 484 | 426 | 436 | 395 | 500 | 478 |
| Lanai | 8 | 23 | 20 | 37 | 67 | 65 |
| MEDICAL-SURGICAL | | | | | | |
| Oahu w/o Tripler | 46655 | 48370 | 51495 | 51335 | 51853 | 47292 |
| Hawaii | 6263 | 7162 | 7272 | 7160 | 6017 | 6023 |
| Kauai | 2690 | 2834 | 2952 | 3187 | 3310 | 2942 |
| Tri-Isle | 4492 | 4986 | 4882 | 4765 | 5148 | 5009 |
| Maui | 4217 | 4703 | 4590 | 4478 | 4752 | 4572 |
| Molokai | 269 | 268 | 272 | 253 | 351 | 387 |
| Lanai | 6 | 15 | 20 | 34 | 45 | 50 |
| CRITICAL CARE (CCU/ICU) | | | | | | |
| Oahu w/o Tripler | 6361 | 6358 | 4757 | 5522 | 5585 | 5686 |
| Hawaii | 1284 | 1089 | 993 | 1085 | 1093 | 1304 |
| Kauai | 447 | 394 | 111 | 631 | 698 | 588 |
| Maui | 500 | 549 | 556 | 575 | 714 | 545 |
| OBSTETRICS | | | | | | |
| Oahu w/o Tripler | 12295 | 12799 | 12727 | 13203 | 14018 | 13653 |
| Hawaii | 1836 | 2025 | 2084 | 2079 | 2025 | 2061 |
| Kauai | 1052 | 989 | 955 | 1033 | 1028 | 921 |
| Tri-Isle | 1171 | 1222 | | 1290 | 1419 | 1390 |
| Maui | 1065 | 1112 | | 1182 | 1306 | 1288 |
| Molokai | 104 | 102 | 113 | 105 | 100 | 911 |
| Lanai | 2 | 8 | - | 3 | 13 | 11 |
| PEDIATRICS | | | | | | |
| Oahu w/o Tripler | 5848 | 5707 | 6106 | 6357 | 5023 | 4416 |
| Hawaii | 808 | 781 | 806 | 739 | 837 | 661 |
| Kauai | 390 | 314 | 347 | 361 | 341 | ... |
| Tri-Isle | 379 | 419 | 442 | 456 | 463 | 399 |
| Maui | 325 | 374 | 398 | 452 | 414 | 399 |
| Molokai | 54 | 45 | 44 | 4 | 49 | ... |
| PSYCHIATRIC | | | | | | |
| Oahu w/o Tripler | 2917 | 2641 | 2067 | 1738 | 2000 | 2556 |
| Hawaii | 563 | 542 | 562 | 463 | 483 | 434 |
| Kauai | 148 | 132 | 200 | 188 | 220 | 246 |
| Tri-Isle | 259 | 161 | 140 | 182 | 176 | 207 |
| Maui | 252 | 150 | 133 | 174 | 176 | 207 |
| Molokai | 7 | 11 | 7 | 8 | ... | ... |

FOOTNOTES: [1]Oahu's data include Leahi's and Maunalani's fourth quarter only, so the County's totals were inflated four times.

[2]Rates reflect bed changes at Maluhia and Kahanaola.

SHPDA: May 1985

# FAMILY HEALTH SERVICES DIVISION

## FAMILY HEALTH SERVICES DIVISION

### Summary

The Family Health Services Division administers programs which are concerned with the provision and promotion of health services to women of childbearing age, infants, children and youth, and of community services for the developmentally disabled. These programs are carried out through the Maternal and Child Health Branch, which includes Family Planning, the Crippled Children Services Branch, the Community Services for the Developmentally Disabled Branch and the School Health Services Branch.

The Maternal and Child Health Branch divides its services into three sections: (1) family planning services, (2) maternal and infant services, and (3) children and youth services. The goal of the Maternal and Child Health (MCH) Branch is to assure that all women of childbearing age, infants and children in the State of Hawaii achieve and maintain optimal health. The Branch focuses on a variety of methods to achieve an integrated health delivery system of MCH services between both the public and private sectors. These methods include direct service provision, cooperative interagency agreements, purchase of service contracts, training others to provide the service, developing community resources, and coordinating existing community resources.

The Family Planning Services Section strives to provide individuals the freedom of choice to determine the number and spacing of their children. Its services also center around helping young people develop a responsible attitude about parenthood. The Office of Family Planning coordinates federal, state and private resources for statewide delivery of quality services, staff education and training, program planning, evaluation, and research. Family planning services were provided to 12,045 in fiscal year 1984. Services provided by project site are given in Table 1.

The Maternal and Infant Services Section administers the Maternity and Infant Care (MIC) Project which maintains two clinics centered in areas having a high prevalence of low-income families. These sites are Waimanalo on Oahu and Hilo on the Big Island of Hawaii. The clinics offer comprehensive maternity care including nutrition, prenatal, postpartum, and family planning services. Comprehensive pediatric care is given to high-risk, low-income infants for their first year of life. The emphasis of the MIC clinics has been to develop effective programs in parent education, to serve young people as well as low-income families, and lower the incidence of low birth weight newborns in these high-risk populations. Table 2 summarizes the activities of the MIC Project clinics during calendar year 1984.

The Children and Youth Services Section includes the Children and Youth Project; the Child Health Conferences; the Early and Periodic Screening, Diagnosis and Treatment Program; and the Preschool Developmental Screening Program. The Children and Youth Project offers preventive case finding and diagnostic services to any child in Waimanalo younger than 16 years. For low-income children, it offers complete health care, including pediatric care, referral to specialists, hospitalization, dentistry, psychological services, speech services, as well as public health nursing, social casework, and nutrition services. A total of 2,092 infants and children were enrolled during the calendar year 1984. Table 3 indicates the number of patients served and the type of service received.

Child Health Conferences include medical well-baby clinics, nursing conferences, and pediatric evaluation clinics. Children from birth through 5 years of age may attend the clinics located throughout the State. Services include health assessment, immunization, childrearing guidance, nutrition counseling, preventive mental health, and referral to other agencies when needed. Child Health Conferences are supplemented by public health nursing services in the homes, day care centers, and at nursing stations. A total of 8,918 children were seen in the Child Health Conferences in fiscal year 1984. Table 4 shows the attendance at Child Health Conferences by age and by county for 1984.

The Early and Periodic Screening, Diagnosis and Treatment (EPSDT) Program conducted throughout the State is primarily for children from birth through 21 years of age who are Medicaid-eligible. The screening includes physical and developmental screening, vision and hearing screening, urine screening, tests for anemia and tuberculosis, and immunizations. The staff screened 1,911 children during fiscal year 1984.

The Preschool Developmental Screening Program continues training and consultative services to interested preschool staff, public health nurses and other interested community providers so they may perform their own screening and refer to appropriate community resources for necessary follow up, including diagnostic evaluations for learning and/or developmental problems. During fiscal year 1984, 258 staff, nurses and community providers were trained, 22% of the target population of 1,200. DIAL (Developmental Indicators for the Assessment of Learning) workshops were taken to Maui and Kauai, and the workshops were offered on the Big Island of Hawaii.

The Crippled Children Services Branch offers diagnostic evaluations by specialists to all children under the age of 21 years who are suspected of having one of the eligible medical conditions (Table 7). An individual treatment plan is formulated for each client by an interdisciplinary team of health professionals. If not financially eligible for further services, the client is referred for appropriate private care. Treatment services for those children who are financially eligible and have an eligible medical condition include medical and surgical treatment, hospitalization, occupational and physical therapy, speech therapy, orthodontic and dental treatment, social work and nursing services.

The medical eligible conditions include major birth defects (such as cleft lip and palate, congenital heart disease, orthopedic conditions and spina bifida), also severe asthma, rheumatic fever and rheumatic heart disease, surgically correctable eye conditions, hearing impairment and certain neurologic disorders. The branch also provides genetic counseling and diagnostic services through Kapiolani Women's and Children's Medical Center.

The Community Services for the Developmentally Disabled Branch plans, organizes, coordinates, administers and evaluates community-based services to children and adults with developmental disabilities and their families. The continuum of services which is required to facilitate growth and development throughout life is provided by or contracted through the Department of Health. This service continuum begins with early identification, diagnostic and training services in infancy and extends through an array of adult activity programs and residential alternatives in the community.

The Child Study Section, through Child Development Clinics, provides early identification activities of Diagnostic and Evaluation services for children with developmental problems. The Child Development Clinic provides itinerant services to the islands of Hawaii, Kauai, Maui and Molokai several times a year. In addition, diagnostic services for children with complex or puzzling conditions are available through the Diagnostic Observation Center which provides a daily program in which the diagnostic evaluation process may take place for over an extended period.

A total of 349 comprehensive diagnostic evaluations were completed during the fiscal year of which 57 were provided via the neighbor island clinics.

The Community Program Section includes treatment/training programs for infants and young children with developmental disabilities and delays, who are at risk of mental retardation; residential services for the mentally retarded in the community; respite care and interdisciplinary support services to the case management system. These activities are carried by two units: the Infant and Child Development Centers and the Community Support Services Unit.

The Infant and Child Development Centers provide developmentally disabled or delayed infants and children a comprehensive individualized, developmental training program; families and caretakers are provided services to increase their knowledge, skills, attitudes and confidence needed to provide the optimum environment for their child. Seven hundred and twenty-three children and their families received services during 1983-84; 355 were serviced in Department of Health programs; and 367 received service from private agencies through contracts with the Department. There was a 25.6% increase in the number of children and their families served during 1983-84 due to the Jobs Bill Federal Grant.

The Community Support Services Unit provides direct services to developmentally disabled adults through an interdisciplinary team to maximize their potential, enhance their quality of life and sustain them in the community. The Unit is also responsible for developing community resources and providing training to community programs and caretakers. An array of support services are provided by the Unit staff and through contracted services such as therapeutic residential services. The Unit staff is responsible for developing standards, monitoring and evaluating the contracted services.

Placement and Continuing Services Section provided case management services to 889 developmentally disabled persons, who are primarily the mentally retarded, at the end of the fiscal year 1984. Case management services provided by social workers involve acquiring and coordinating various community services and programs to sustain developmentally disabled persons in the community, following their adjustments in living and training situations, advocating on their behalf, and constantly assessing needs to promote their welfare. Case management services were provided to 604 mentally retarded persons on leave or conditionally released from Waimano Training School and Hospital and 285 community referred mentally retarded persons, who were potential for first time admissions to the institution. The Director of Health is guardian for 568 of the population on leave from Waimano.

At June 30, 1984, Waimano residents on leave decreased from the last report date from 613 to 604. The decrease is attributed in lower numbers of residents placed in the community and simultaneously affected by numbers returning to the institutions, discharges, and deaths. There was a slight increase in community referred population at June 30, 1984, at 285 from 282 of the previous report date of which 60% of the increased number might have sought institutional care, but were sustained by various program activities.

The Branch provides various activity programs to develop personal self-sufficiency, social and work related skills in developmentally disabled adults. These services include the Branch operations but are primarily contracted by the Branch. There was a reduction in numbers served in adult training programs at 870 from 903 of the previous year. The reduction was probably due to an approximate 40% reduction in funding services and the shortage of curbside transportation services.

The Branch provides respite care services through its foster home operations and contractual services. The numbers served in respite care programs remained at 372. The provider of services supplemented the funding by charging fees.

Under delegated responsibility from Department of Social Services and Housing, this Section develops, recruits, licenses, trains and monitors foster homes to provide care for mentally retarded children in the community. As of June 30, 1984, there were 69 active foster homes. Of this total 18 are operated as group, therapy, teaching or respite homes by private agencies on contract with the Department; the remaining 51 are maintained by Placement and Continuing Services Section.

The School Health Services Branch has a vital role to play in promoting and safeguarding the health of the school population. The goal of the Branch is to ensure that school-aged children will achieve their potential for effective physical, intellectual and emotional functioning as adults. The Branch focuses on the integration and coordination of health resources for the more than 200,000 school-aged children in Hawaii. Services are provided predominantly within the public schools.

The Branch divides its service into two sections. The School Health Services Section provides first aid services for illness and injury, early identification of health conditions, preventive health care and referral of problems to appropriate resources in the community. With the advent of P.L. 94-142, there has been a greater emphasis and demand for nursing services to the special education population.

The School Health Support Services Section includes the Vision and Hearing Screening Unit and the Occupational Therapy and Physical Therapy Unit. The Vision and Hearing Screening Unit provides services for the early identification of specific sensory deficits in order to prevent interference with learning and adjustment. They provide uniform and regular screening, rescreening of students, issue medical referrals and conduct follow up with parents. Selected services are provided to the preschools and private schools.

The Occupational Therapy and Physical Therapy Unit provides evaluation, consultation and therapy services to the handicapped school population in accordance with P.L. 94-142. Therapy services are directed towards the development and maintenance of the handicapped child's potential for independence in all educationally related activities.

TABLE 1

WOMEN RECEIVING FAMILY PLANNING SERVICES
IN PUBLICLY-SUBSIDIZED CLINICS IN HAWAII
DURING FISCAL YEAR 1984

| Service Provider | Number of Clients | | Number of Client Visits |
|---|---|---|---|
| | New[a] | Total | |
| Hawaii Planned Parenthood | 1,133 | 2,257 | 4,122 |
| Kapiolani Hospital | 710 | 1,683 | 3,927 |
| University of Hawaii | 561 | 1,405 | 3,012 |
| Hale Ho'ola Hou | 457 | 713 | 1,454 |
| Kokua Kalihi Valley | 203 | 277 | 545 |
| Bay Clinic[b] | 504 | 916 | 1,826 |
| Waikiki Health Center | 569 | 835 | 1,304 |
| Queen's Medical Center | 667 | 852 | 1,268 |
| Molokai General Hospital | 77 | 168 | 362 |
| Department of Health Providers | | | |
| Rural Oahu Family Planning Project | 1,267 | 2,224 | 4,470 |
| Lanai Hospital | 46 | 55 | 86 |
| Hilo Maternity and Infant Care | 93 | 299 | 1,052 |
| Waimanalo Maternity and Infant Care | 88 | 361 | 815 |
| STATE TOTAL | 6,386 | 12,045 | 24,243 |

a/ Clients new to provider agency.

b/ Ten months of operation.

TABLE 2

NUMBER OF WOMEN AND INFANTS RECEIVING SERVICES
AT THE MATERNITY AND INFANT CARE PROJECT BY TYPE OF SERVICE
FOR THE PERIOD JANUARY 1, 1984 TO DECEMBER 31, 1984
STATE OF HAWAII

| Type of Service | Number of Women and Infants Receiving Services |
|---|---|
| Prenatal - total caseload[a] | 350 |
| Prenatal - new admissions | 192 |
| Under 15 years old | - |
| 15 years | 10 |
| 16 - 34 years old | 177 |
| 35 years and over | 5 |
| Total deliveries | 148 |
| Live births under 2501 grams | - |
| Infants admitted for High Risk Infant Care[b] | 5 |
| Family planning caseload[c] | 886 |
| New admissions | 269 |
| Admissions selecting oral contraceptives | 197 |
| Admissions selecting intrauterine devices | 12 |

a/ 297 received comprehensive services, 53 received educational/screening services only.

b/ High risk: having any prenatal, intrapartum, developmental or hereditary condition or other circumstance which increases the risk of survival and/or to normal development. Total number of new admissions.

c/ Caseload at beginning of year was 617.

TABLE 3

WAIMANALO CHILDREN AND YOUTH PROJECT ACTIVITIES
STATE OF HAWAII, CALENDAR YEAR 1984

| Type of Activity | No. of Encounters | No. of Children |
|---|---|---|
| Target population* | ... | 3,048 |
| Total number enrolled any part of 1984 | ... | 2,092 |
| Current enrollment, December 1984 | ... | 1,757 |
| New enrollees in 1984 | ... | 258 |
| Moved away | ... | 246 |
| Became over aged (16 years old) | ... | 89 |
| Deceased | ... | - |
| Medical Services | | |
| Episodic Care | 3,584 | ... |
| Health Assessments | 4,595 | 1,653 |
| Public Health Nursing Services | | |
| Home Visits | 365 | ... |
| Hospital Visits | 116 | 94 |
| Speech and Hearing Services | | |
| Screening | 847 | ... |
| Diagnostic | 275 | ... |
| Therapy | 584 | ... |
| Dental Referrals | 441 | 258 |

* Based on adjusted figure from 1980 census.

TABLE 4

INFANTS AND CHILDREN PROVIDED PUBLIC HEALTH NURSING SERVICES
IN CHILD HEALTH CONFERENCES
STATE OF HAWAII, FISCAL YEAR 1984

| County | Infants Under 1 Year | Children 1 Year and Over |
|---|---|---|
| Honolulu County | 1,296 | 3,923 |
| Hawaii County | 255 | 1,564 |
| Kauai County | 129 | 336 |
| Maui County | 359 | 1,056 |
| STATE TOTAL | 2,039 | 6,879 |

TABLE 5

DISTRIBUTION OF CHILDREN RECEIVING
SERVICES BY STATUS AND AGE
CRIPPLED CHILDREN SERVICES BRANCH
(unduplicated count)
STATE OF HAWAII, DEPARTMENT OF HEALTH
FISCAL YEAR, 1983-84

| County | Total | New | Old | <1 | 1-4 | 5-9 | 10-14 | 15-17 | 18-20 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|
| Hawaii | 342 | 85 | 257 | 18 | 88 | 65 | 97 | 42 | 28 | 4 |
| | 25.2% | 24.1% | 25.5% | 17.8% | 25.1% | 22.3% | 32.0% | 26.3% | 21.9% | 16.0% |
| Maui | 142 | 30 | 112 | 8 | 30 | 34 | 33 | 23 | 12 | 2 |
| | 10.4% | 8.5% | 11.1% | 7.9% | 8.6% | 11.6% | 10.9% | 14.4% | 9.4% | 8.0% |
| Kauai | 91 | 34 | 57 | 10 | 28 | 20 | 19 | 9 | 5 | 0 |
| | 6.7% | 9.7% | 5.7% | 9.9% | 8.0% | 6.8% | 6.3% | 5.6% | 3.9% | 0.0% |
| Honolulu | 784 | 203 | 581 | 65 | 204 | 173 | 154 | 86 | 83 | 19 |
| | 57.7% | 57.7% | 57.7% | 64.4% | 58.3% | 59.2% | 50.8% | 53.8% | 64.8% | 76.0% |
| TOTAL | 1,359 | 352 | 1,007 | 101 | 350 | 292 | 303 | 160 | 128 | 25 |
| | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

Table 6

SERVICES PROVIDED BY
CRIPPLED CHILDREN SERVICES BRANCH
BY TYPE OF SERVICE
(duplicated count)
STATE OF HAWAII, DEPARTMENT OF HEALTH
FISCAL YEAR, 1983-84

| TYPE | TOTAL CASES | SERVICE UNITS |
|---|---|---|
| Clinic | 1,153 | 2,485 |
| Nursing | 62 | 2,571 |
| Occupational Therapy | 90 | 2,773 |
| Physical Therapy | 76 | 3,995 |
| Social Work | 827 | 4,869 |
| Speech/Hearing | 165 | 2,146 |
| Purchased | 1,853 | 4,222 |
| TOTAL | 4,226 | 23,061 |

Table 7

DISTRIBUTION OF PRIMARY MEDICAL CONDITIONS AMONG CHILDREN RECEIVING CRIPPLED CHILDREN SERVICES BY DIAGNOSTIC GROUP AND AGE OF CHILD
(unduplicated count)
STATE OF HAWAII, DEPARTMENT OF HEALTH
FISCAL YEAR, 1983-84

| Diagnostic Group | TOTAL | Type of Case | | Age group of children | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | NEW | OLD | <1 | 1-4 | 5-9 | 10-14 | 15-17 | 18-20 | 21 |
| TOTALS | 1637 | 419 | 1218 | 124 | 420 | 351 | 367 | 190 | 158 | 27 |
| CARDIAC DISORDERS | | | | | | | | | | |
| Congenital Heart | 255 | 74 | 181 | 43 | 80 | 42 | 33 | 21 | 28 | 5 |
| Malf. Great Vessels | 34 | 12 | 22 | 6 | 8 | 5 | 10 | 1 | 4 | 0 |
| Rheumatic Fever | 94 | 19 | 75 | 0 | 0 | 14 | 39 | 22 | 18 | 1 |
| Other | 64 | 34 | 30 | 9 | 27 | 8 | 13 | 5 | 2 | 0 |
| Rheumatic Heart Disease | 97 | 9 | 88 | 0 | 0 | 7 | 40 | 27 | 18 | 5 |
| CRANIOFACIAL DISORDERS | | | | | | | | | | |
| Cleft lip/palate | 124 | 21 | 103 | 10 | 38 | 27 | 28 | 9 | 7 | 5 |
| Craniostenosis | 3 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| Other | 4 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 2 | 1 |
| COMMUNICATION DISORDERS | | | | | | | | | | |
| Conductive Impairment | 18 | 5 | 13 | 0 | 7 | 5 | 4 | 1 | 1 | 0 |
| Non-organic Speech Defects | 11 | 5 | 6 | 0 | 6 | 4 | 0 | 0 | 1 | 0 |
| Organic Speech Defects | 79 | 15 | 64 | 2 | 34 | 23 | 13 | 3 | 3 | 1 |
| Sensorineural | 98 | 26 | 72 | 3 | 19 | 32 | 26 | 10 | 8 | 0 |
| Other | 3 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| EAR DISORDERS | | | | | | | | | | |
| Otitis Media | 76 | 16 | 60 | 1 | 12 | 29 | 16 | 12 | 3 | 3 |
| CONGENITAL DISORDERS | | | | | | | | | | |
| Congenital Malformation of the Ear | 4 | 2 | 2 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| G.I | 22 | 13 | 9 | 7 | 9 | 3 | 2 | 1 | 0 | 0 |
| G.U. | 12 | 5 | 7 | 2 | 8 | 2 | 0 | 0 | 0 | 0 |
| Inborn Errors | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Other congenital | 78 | 40 | 38 | 22 | 35 | 11 | 2 | 5 | 3 | 0 |
| NEUROLOGIC/NEUROMUSCULAR | | | | | | | | | | |
| All other disease of the Nervous System | 12 | 4 | 8 | 0 | 3 | 1 | 6 | 0 | 2 | 0 |
| Cerebral Palsy | 86 | 9 | 77 | 2 | 11 | 34 | 27 | 6 | 6 | 0 |
| Congenital Hydrocephalus | 17 | 10 | 7 | 3 | 12 | 1 | 1 | 0 | 0 | 0 |
| Muscular Dystrophy | 6 | 1 | 5 | 0 | 0 | 4 | 1 | 1 | 0 | 0 |
| Myelodysplasia | 68 | 12 | 56 | 4 | 15 | 20 | 12 | 7 | 8 | 2 |
| Seizure Disorders | 105 | 27 | 78 | 2 | 22 | 20 | 27 | 16 | 17 | 1 |
| ORTHOPEDIC | | | | | | | | | | |
| Bone Disease | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Club Foot | 21 | 2 | 19 | 2 | 6 | 6 | 6 | 1 | 0 | 0 |
| Congenital Dislocation of the Hip | 4 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 1 | 0 |
| All other | 32 | 8 | 24 | 1 | 11 | 9 | 9 | 1 | 1 | 0 |
| Polio | 4 | 0 | 4 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| Scoliosis | 45 | 12 | 33 | 0 | 2 | 2 | 20 | 14 | 7 | 0 |
| Congenital Limb Malformation | 5 | 1 | 4 | 0 | 2 | 1 | 0 | 2 | 0 | 0 |
| RHEUMATOID ARTHRITIS | 12 | 2 | 10 | 0 | 0 | 6 | 2 | 1 | 3 | 0 |
| PULMONARY DISORDERS | | | | | | | | | | |
| Asthma | 56 | 7 | 49 | 1 | 11 | 17 | 17 | 7 | 3 | 0 |
| Cystic Fibrosis | 4 | 1 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 |
| Other Respiratory disorders | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| VISION DISORDERS | | | | | | | | | | |
| Blindness | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Cataract | 3 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| Strabismus | 26 | 9 | 17 | 2 | 14 | 8 | 2 | 0 | 0 | 0 |
| Other Eye | 4 | 1 | 3 | 0 | 2 | 1 | 0 | 1 | 0 | 0 |
| MISCELLANEOUS | | | | | | | | | | |
| Accidents | 9 | 3 | 6 | 0 | 1 | 0 | 2 | 3 | 3 | 0 |
| Burns | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| Deferred diagnosis | 10 | 4 | 6 | 0 | 7 | 0 | 0 | 3 | 0 | 0 |
| Mental Retardation | 7 | 0 | 7 | 0 | 1 | 1 | 3 | 0 | 2 | 0 |
| No abnormalities | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Blood Disorders | 4 | 3 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 |
| Perinatal Complications | 3 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Other | 10 | 1 | 9 | 0 | 2 | 1 | 2 | 1 | 4 | 0 |

TABLE 8

INFANT & CHILD DEVELOPMENT SERVICES PROVIDED

BY NUMBER OF CHILDREN SERVED AND GEOGRAPHIC AREA COVERED

STATE OF HAWAII, FISCAL YEAR 1983-84

| NAME OF PROGRAM | GEOGRAPHIC AREA SERVED | NO. SERVED |
|---|---|---|
| Private Agencies | | |
| Society for Crippled Children & Adults of Maui County | Maui/Molokai | 128 |
| Easter Seal Society of Hawaii, Inc. | | |
| Kauai | Kauai | 39 |
| Hawaii | Hilo and outlying areas, Pahoa to Waimea | 54 |
| Oahu | Hawaii Kai to Liliha Street | 77 |
| Waianae Cost Day Care Center, Inc. | Waianae, Oahu | 39 |
| United Cerebral Palsy | Oahu | 30 |
| Sub-total Private Agencies | | 367 |
| Department of Health | | |
| Kona Infant Development Program | Kona Coast | 47 |
| Lanakila Infant Development Program | Kalihi/Palama | 73 |
| Leeward Infant & Child Development | Makakilo, Halawa Heights, Aiea, Hickam, Pearl City, Ewa, Waipahu | 88 |
| Wahiawa Infant & Child Development Program | Wahiawa, Haleiwa, Waialua, Mililani, Sunset Beach | 88 |
| Windward Infant & Child Development Program | Windward Coast Waimanalo to Kahuku | 59 |
| Sub-total DOH | | 355 |
| Total Children Served | | 722 |

TABLE 9

NUMBER OF MENTALLY RETARDED IN CASE MANAGEMENT SERVICES

STATE OF HAWAII, FISCAL YEAR 1984

| | |
|---|---|
| Total | 889 |
| Leave Population | 604 |
| Community Referred Population | 285 |

TABLE 10

STATISTICAL MOVEMENT OF RESIDENTS FROM WAIMANO TRAINING SCHOOL AND HOSPITAL

STATE OF HAWAII, FISCAL YEAR 1984

| | |
|---|---|
| Residents on Leave at Start of Year | 613 |
| Community Placements | 38 |
| Discharge While on Leave | 12 |
| Deaths on Leave | 6 |
| Returns from Community Placement | 29 |
| Residents on Leave at End of Year | 604 |

TABLE 11

LEAVE POPULATION, WAIMANO, JUNE 30, BY MEASURED INTELLIGENCE

STATE OF HAWAII, FISCAL YEAR 1984

| Measured Intelligence | Leave Population on June 30 |
|---|---|
| Total | 604 |
| I. Mild | 127 |
| II. Moderate | 169 |
| III. Severe | 177 |
| IV. Profound | 126 |
| Borderline | 4 |
| Undetermined Intelligence | 1 |

TABLE 12

ACTIVITY PROGRAMS

STATE OF HAWAII, FISCAL YEAR 1984

| Area | Type of Program | Numbers Served |
|---|---|---|
| | Total | 870 |
| Oahu | Day Treatment | 16 |
| | Leisure Activity | 75 |
| | Day Activity | 173 |
| | Pre-Vocational | 245 |
| | Work Activity | 88 |
| Hawaii | Day Activity | 43 |
| | Pre-Vocational | 17 |
| | Work Activity | 78 |
| Maui | Day Activity | 61 |
| | Pre-Vocational | 16 |
| | Work Activity | 0 |
| Kauai | Day Activity | 39 |
| | Pre-Vocational | 0 |
| | Work Activity | 19 |

NOTE: Numbers include DOH operations and contracted programs.

TABLE 13

RESPITE CARE PROGRAMS
NUMBERS SERVED AND GEOGRAPHIC AREAS COVERED

STATE OF HAWAII, FISCAL YEAR 1984

| Agency | Area | Numbers Served |
|---|---|---|
| | Total | 372 |
| DOH | Oahu | 15 |
| Easter Seal Society | Oahu | 235 |
| ARC, Hilo | Hawaii | 47 |
| ARC, Maui | Maui | 35 |
| ARC, Kauai | Kauai | 40 |

TABLE 14
TOTAL NUMBERS OF HEALTH ROOM VISITS, a/
REASONS FOR VISIT AND DISPOSITION
School Health Services Branch
Department of Health
State of Hawaii
By School Year From 1979-80 Through 1983-84

| | 1979-80 | 1980-81 | 1981-82 | 1982-83 | 1983-84 |
|---|---|---|---|---|---|
| Total visits to health room | 500,437 | 528,146 | 550,837 | 550,661 | 501,515 |
| Reason for visit: b/ (Students Only) | (42.20) | (43.88) | (45.68) | (44.26) | (44.75) |
| Illness | 211,204 | 231,748 | 251,618 | 243,712 | 224,412 |
| | (42.88) | (44.83) | (39.53) | (39.72) | (39.11) |
| Injury | 214,600 | 236,751 | 217,746 | 218,723 | 196,141 |
| | (5.35) | (2.33) | (5.22) | (6.15) | (6.13) |
| Medication | 26,791 | 12,294 | 28,729 | 33,854 | 30,733 |
| | (1.38) | (2.46) | (3.57) | (4.45) | (4.72) |
| TLC | 6,917 | 13,007 | 19,677 | 24,511 | 23,688 |
| | (7.95) | (6.28) | (5.82) | (5.25) | (5.14) |
| Non-health | 39,790 | 33,163 | 32,085 | 28,909 | 25,770 |
| Disposition: (Students and Staff) | (18.39) | (19.06) | (20.89) | (19.86) | (19.67) |
| Sent home | 92,013 | 100,666 | 115,088 | 109,367 | 98,672 |
| | (79.92) | (79.16) | (77.25) | (78.31) | (78.43) |
| Returned to class | 399,957 | 418,067 | 425,496 | 431,241 | 393,322 |
| | (1.69) | (1.78) | (1.86) | (1.83) | (1.90) |
| Remained in health room | 8,467 | 9,413 | 10,253 | 10,053 | 9,521 |

Total health room visits include students and staff.

a/ Numbers are approximate.

b/ Numbers in parenthesis represent percentages of annual health room visits.

TABLE 15
HEALTH PROBLEM SUMMARY LIST [a/]
School Health Services Branch
Department of Health
State of Hawaii
1983-1984

| CONDITION | DISTRICT | | | | | | | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | Honolulu | Windward | Central | Leeward | Hawaii | Maui | Kauai | |
| Allergies | 1,128 | 971 | 1,814 | 1,270 | 1,297 | 394 | 343 | 7,217 |
| Asthma | 964 | 757 | 1,333 | 979 | 1,305 | 396 | 615 | 6,349 |
| Blood | 51 | 8 | 39 | 20 | 14 | 12 | 4 | 148 |
| Cardiac | 136 | 63 | 186 | 93 | 118 | 65 | 35 | 696 |
| Collagen Diseases | 19 | 12 | 19 | 22 | 18 | 8 | 0 | 98 |
| Digestive/Gastro Intestinal | 53 | 13 | 22 | 20 | 24 | 3 | 4 | 139 |
| Diabetes | 19 | 16 | 23 | 16 | 17 | 10 | 7 | 108 |
| Other Meta.& Endo. Disorders | 27 | 19 | 24 | 6 | 19 | 6 | 0 | 101 |
| Ear Problems | 811 | 445 | 475 | 571 | 489 | 333 | 178 | 3,302 |
| Eye Problem | 324 | 103 | 359 | 176 | 473 | 118 | 107 | 1,660 |
| Hyperactivity | 68 | 66 | 125 | 62 | 13 | 15 | 3 | 352 |
| Hypertension | 12 | 5 | 19 | 3 | 6 | 1 | 10 | 56 |
| Kidney & Genito Urinary | 43 | 23 | 81 | 41 | 25 | 21 | 8 | 242 |
| Musculo Skeletal | 250 | 195 | 403 | 206 | 333 | 104 | 38 | 1,529 |
| Neoplasm | 12 | 11 | 20 | 11 | 8 | 2 | 4 | 68 |
| Seizures | 191 | 91 | 152 | 169 | 89 | 61 | 38 | 791 |
| Other Neurological Disorders | 90 | 46 | 149 | 79 | 58 | 19 | 23 | 464 |
| Other | 69 | 51 | 64 | 139 | 62 | 7 | 9 | 401 |
| TOTALS | 4,267 (18%) | 2,895 (12.2%) | 5,307 (22.4%) | 3,883 (16.7%) | 4,368 (18.4%) | 1,575 (6.6%) | 1,426 (6%) | 23,721 |

a/ Numbers are approximate.

TABLE 16
NUMBER OF CASES REFERRED TO SCHOOL NURSES
School Health Services Branch
Department of Health
State of Hawaii
1983-1984

| ISLAND | Special Education | Elementary | Intermediate | High School | TOTAL |
|---|---|---|---|---|---|
| Oahu | 1,140 | 3,567 | 814 | 917 | 6,438 |
| Hawaii | 140 | 179 | 72 | 52 | 443 |
| Maui [a/] | 63 | 503 | 134 | 100 | 800 |
| Kauai | 83 | 262 | 25 | 329 | 699 |
| TOTAL | 1,426 | 4,511 | 1,045 | 1,398 | 8,380 |

[a/] Maui includes the islands of Maui, Molokai and Lanai.

TABLE 17
SCHOOL NURSE CONTACTS
School Health Services Branch
Department of Health
State of Hawaii
1983-1984

| Service | Oahu | Hawaii | Maui [a/] | Kauai | TOTAL |
|---|---|---|---|---|---|
| Contacts with pupils | 2,488 | 348 | 424 | 639 | 3,899 |
| Contacts with parents | 4,620 | 280 | 598 | 324 | 5,822 |
| Contacts with school personnel | 4,931 | 251 | 664 | 475 | 6,321 |
| Contacts with M.D. | 1,450 | 93 | 457 | 236 | 2,236 |
| Contacts with others | 3,062 | 255 | 626 | 289 | 4,232 |
| Team conferences | 267 | 75 | 93 | 30 | 465 |
| Placement conferences | 159 | 4 | 31 | 122 | 316 |
| TOTAL | 16,977 | 1,306 | 2,893 | 2,115 | 23,291 |

[a/] Maui includes the islands of Maui, Molokai and Lanai.

TABLE 18
VISION STATISTICS
School Health Services Branch
Department of Health, State of Hawaii
1983-84

| Type of School | Total Number Screened | Number Referred | % Ref. | No. of Completed Referrals | % Comp. Ref. | No. New Deficit Findings | % New Def. Find. | % Def. Find. of. No. Screen. | No. New Glasses Prescribed | % New Glasses | % New Glass of No. Screen | % Over. Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preschools | 8,820 | 95 | 1 | 80 | 84 | 53 | 66 | .6 | 16 | 30 | .2 | 30 |
| Priv./Paroch. Schools | 2,127 | 43 | 2 | 34 | 79 | 28 | 82 | 1.3 | 17 | 61 | .8 | 15 |
| Dept. of Educ. | 107,157 | 2,639 | 2 | 1,851 | 70 | 1,634 | 88 | 1.5 | 1,120 | 69 | 1.0 | 7 |
| Oahu | 78,111 | 1,943 | 2 | 1,377 | 71 | 1,220 | 89 | 1.6 | 841 | 69 | 1.1 | 6 |
| Hawaii | 13,898 | 342 | 2 | 258 | 75 | 230 | 89 | 1.7 | 148 | 64 | 1.1 | 9 |
| Maui | 9,505 | 272 | 3 | 162 | 60 | 134 | 83 | 1.4 | 90 | 67 | .9 | 12 |
| Kauai | 5,643 | 82 | 1 | 54 | 66 | 50 | 93 | .9 | 41 | 82 | .7 | 6 |
| Total | 118,104 | 2,777 | 2 | 1,965 | 71 | 1,715 | 87 | 1.5 | 1,153 | 67 | 1.0 | 8 |

TABLE 19
HEARING STATISTICS
School Health Services Branch
Department of Health, State of Hawaii
1983-84

| Type of School | Total Number Screened | Number Referred | % Referred | No. of Completed Referrals | % Comp. Ref. | Number Deficit Finding | % Def. Find. | % Def. Find. of Number Screened | % Over Ref. |
|---|---|---|---|---|---|---|---|---|---|
| Preschools | 7,523 | 512 | 7 | 330 | 64 | 286 | 87 | 3.8 | 13 |
| Private/Parochial Schools | 11,828 | 356 | 3 | 238 | 67 | 189 | 79 | 1.6 | 21 |
| Dept. of Educ. | 72,406 | 3,002 | 4 | 1,569 | 52 | 1,304 | 83 | 1.8 | 17 |
| Oahu | 55,575 | 2,419 | 4 | 1,268 | 52 | 1,023 | 81 | 1.8 | 19 |
| Hawaii | 8,089 | 307 | 4 | 208 | 68 | 197 | 95 | 2.4 | 5 |
| Maui | 5,424 | 188 | 3 | 50 | 27 | 45 | 90 | 0.8 | 10 |
| Kauai | 3,318 | 88 | 3 | 43 | 49 | 39 | 91 | 1.2 | 9 |
| Total | 91,757 | 3,870 | 4 | 2,137 | 55 | 1,779 | 83 | 1.9 | 17 |

TABLE 20
NUMBER OF STUDENTS RECEIVING OCCUPATIONAL THERAPY SERVICES
BY CATEGORY AND DISTRICT, FISCAL YEAR 1983-84
School Health Services Branch
Department of Health, State of Hawaii

| | Honolulu | Windward | Central | Leeward | Hawaii | Maui | Kauai | Total |
|---|---|---|---|---|---|---|---|---|
| Severely Multiply Handicapped | 48 | 14 | 22 | 33 | 23 | 21 | 12 | 173 |
| Learning Disabled | 114 | 122 | 118 | 55 | 31 | 11 | 13 | 464 |
| Mild Ment. Retarded | 32 | 28 | 23 | 19 | 13 | 4 | 8 | 127 |
| Mod. Ment. Retarded | 35 | 13 | 16 | 18 | 8 | 8 | 1 | 99 |
| Sev. Ment. Retarded | 11 | 5 | 7 | 2 | 3 | 0 | 0 | 28 |
| Ortho. Handicapped | 6 | 13 | 16 | 1 | 9 | 0 | 6 | 51 |
| Deaf/Blind | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 9 |
| Emot. Handicapped | 7 | 3 | 7 | 4 | 2 | 0 | 0 | 23 |
| Visually Impaired | 10 | 1 | 2 | 2 | 0 | 0 | 2 | 17 |
| Hearing Impaired | 11 | 1 | 1 | 0 | 1 | 0 | 3 | 17 |
| Learning Impaired | 16 | 13 | 22 | 9 | 4 | 4 | 8 | 76 |
| Others | 20 | 11 | 13 | 19 | 2 | 2 | 3 | 70 |
| Total | 316 | 224 | 250 | 162 | 96 | 50 | 56 | 1154 |

TABLE 21
NUMBER OF STUDENTS RECEIVING PHYSICAL THERAPY SERVICES
BY CATEGORY AND DISTRICT, FISCAL YEAR 1983-84
School Health Services Branch
Department of Health, State of Hawaii

| | Honolulu | Windward | Central | Leeward | Hawaii | Maui | Kauai | Total |
|---|---|---|---|---|---|---|---|---|
| Severely Multiply Handicapped | 38 | 22 | 32 | 37 | 30 | 22 | 13 | 194 |
| Learning Disabled | 42 | 17 | 15 | 8 | 13 | 5 | 34 | 134 |
| Mild Ment. Retarded | 21 | 0 | 9 | 9 | 5 | 5 | 4 | 53 |
| Mod. Ment. Retarded | 19 | 4 | 27 | 16 | 20 | 9 | 4 | 99 |
| Sev. Ment. Retarded | 10 | 0 | 4 | 1 | 3 | 0 | 0 | 18 |
| Ortho. Handicapped | 29 | 23 | 34 | 3 | 25 | 5 | 9 | 128 |
| Deaf/Blind | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 5 |
| Emot. Handicapped | 2 | 0 | 2 | 0 | 3 | 0 | 0 | 7 |
| Visually Impaired | 6 | 0 | 1 | 1 | 2 | 0 | 1 | 11 |
| Hearing Impaired | 7 | 1 | 0 | 2 | 1 | 0 | 3 | 14 |
| Learning Impaired | 18 | 9 | 28 | 9 | 3 | 9 | 8 | 84 |
| Others | 43 | 12 | 22 | 46 | 21 | 8 | 9 | 161 |
| Total | 238 | 88 | 176 | 132 | 126 | 63 | 85 | 908 |

# COMMUNICABLE DISEASE DIVISION

# SUMMARY

There were 2,664 gonorrhea cases reported for Calendar Year 1984. This is the fourth consecutive year Hawaii has recorded a decrease in the total number of gonorrhea cases reported. The gonorrhea case rate of 256.5 cases per 100,000 population is the lowest case rate reported since 1972. The decrease in gonorrhea cases occurred equally in almost all age groups, and in both sexes.

There were 113 Penicillinase-producing Neisseria gonorrhoeae (PPNG) reported in 1984. Almost all of these cases were either directly imported by travelers from the Far East or were epidemiologically linked to the Far East, indicating little endemic spread of PPNG in Hawaii.

There were 146 infectious syphilis reported in 1984 which is the same number reported in 1983. However, the number of females reported with infectious syphilis in 1984 nearly doubled from 15 cases reported in 1983 to 28 cases reported in 1984. Although over 80% of the infectious syphilis cases are reported in homosexual males, the increasing female syphilis morbidity may indicate a trend towards increasing heterosexual syphilis in Hawaii.

Table 10 is a new table listing the number of Acquired Immunodeficiency Syndrome (AIDS) cases by year, sex, and number of deaths. Should Hawaii follow the national trend of AIDS statistics, the number of AIDS cases reported in 1985 may double the number reported for the first two years. Although the first AIDS case in Hawaii was diagnosed in January of 1982, the reporting of AIDS cases using the Centers for Disease Control standardized reporting procedures was started in 1983.

In 1984, there were dramatic decreases in aseptic and bacterial meningitis. There were 108 reported cases of aseptic meningitis compared to 253 cases in 1983. Bacterial meningitis decreased from 66 reported cases in 1983 to 39 cases in 1984.

Reported cases of influenza also decreased in 1984. In 1983, there were 494 cases of influenza A and B reported compared to 328 cases in 1984. In 1983, Influenza A/England (H1N1) and Influenza B/Singapore/222/79 were isolated. The laboratory isolated Influenza A/Philippines/2/82 (H3N2) and Influenza B/100/83 during the 1984 flu season.

Enteric diseases, salmonellosis and shigellosis increased in 1984. There were 380 reported cases of salmonellosis and 165 cases of shigellosis. In 1983, 335 cases of salmonellosis and 134 cases of shigellosis were reported. In 1984, there have been an increase of Shigella flexneri 3 reported.

There was a downward trend for zoonotic diseases, such as leptospirosis and typhus in 1984. In 1983, there were 16 cases reported compared to 13 for this year. Typhus dropped from 13 cases in 1983 to 5 cases in 1984. However, psittacosis increased from 2 in 1983 to 6 cases in 1984.

TABLE 1
NUMBER OF CASES AND DEATHS FROM COMMUNICABLE DISEASES
STATE OF HAWAII, 1980, 1981, 1982, 1983, and 1984

| Disease | 1980 | | 1981 | | 1982 | | 1983 | | 1984 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cases | Deaths | Cases | Deaths | Cases | Deaths | Cases | Deaths | Cases | Deaths |
| Total | 12,270 | 30 | 11,438 | 19 | 10,310 | 18 | 11,299 | 14 | 8,496 | 25 |
| Amebiasis | 16 | - | 29 | - | 33 | - | 18 | - | 15 | - |
| Brucellosis | - | - | - | - | - | - | - | - | - | - |
| Chancroid | - | - | 2 | - | 1 | - | - | - | - | - |
| Chickenpox | 926 | - | 809 | - | 820 | - | 1,442 | - | 834 | - |
| Conjunctivitis, infectious | 50 | - | 15 | 1 | 217 | - | 56 | - | 48 | - |
| Diphtheria | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, primary & Post-infectious | 22 | - | 7 | - | 20 | - | 11 | - | 5 | - |
| Gonorrhea | 4,383 | - | 4,289 | - | 3,706 | - | 2,886 | - | 2,664 | - |
| Hansen's Disease a/ | 34 | - | 49 | 2 | 59 | 1 | 46 | - | 105 | 5 |
| Hepatitis A | 84 | - | 124 | - | 81 | - | 55 | - | 33 | 1 |
| Hepatitis B | 119 | 7 | 95 | 2 | 87 | 3 | 73 | 1 | 74 | 4 |
| Hepatitis Non-A, Non-B | - | - | - | - | 9 | - | 15 | - | 12 | - |
| Hepatitis unspecified | 29 | 1 | 28 | - | 10 | 2 | 10 | - | 11 | 1 |
| Hookworm d/ | 132 | - | 99 | - | 91 | - | 69 | - | 3 | - |
| Influenza | 118 | 2 | 96 | 1 | 222 | - | 494 | 1 | 328 | - |
| Leptospirosis | 27 | - | 26 | - | 29 | - | 16 | - | 13 | - |
| Lymphogranuloma venereum | - | - | 1 | - | - | - | - | - | - | - |
| Malaria b/ | 29 | - | 11 | - | 7 | - | 2 | - | 5 | - |
| Measles (Rubeola) | 6 | - | 7 | - | 6 | - | 2 | - | 142 | - |
| Meningitis, aseptic & viral | 145 | - | 184 | - | 230 | 2 | 253 | - | 108 | - |
| Meningitis, bacterial (All types) c/ | 49 | 5 | 41 | 3 | 51 | 3 | 66 | 2 | 39 | 3 |
| Meningitis, meningococcal | (1) | - | (4) | - | (5) | (1) | (5) | - | (3) | - |
| Meningitis, unspecified | 1 | 1 | - | 3 | - | - | - | - | - | - |
| Mononucleosis, infectious | 49 | - | 66 | - | 44 | - | 65 | - | 30 | - |
| Mumps | 24 | - | 26 | - | 21 | - | 20 | - | 22 | - |
| Pertussis (Whooping cough) | - | - | 3 | - | 28 | - | 3 | - | 102 | - |
| Poliomyelitis | - | - | - | - | - | - | - | - | - | - |
| Rubella | 5 | - | 15 | - | 9 | - | 1 | - | 5 | - |
| Rubella, congenital | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | 405 | - | 513 | - | 499 | 1 | 335 | - | 380 | - |
| Scarlet fever & other strep infections | 5,102 | - | 4,348 | - | 3,474 | - | 4,814 | - | 2,973 | - |
| Shigellosis | 156 | - | 214 | - | 95 | - | 134 | - | 165 | - |
| Syphilis, primary & secondary | 131 | - | 75 | - | 120 | - | 99 | - | 92 | - |
| Syphilis, early latent | 74 | - | 47 | - | 66 | - | 47 | - | 54 | - |
| Syphilis, late & late latent | 20 | - | 19 | - | 5 | - | 13 | - | 4 | - |
| Tetanus | - | - | - | - | - | - | - | - | 1 | - |
| Trichinosis | - | - | - | - | 5 | - | 1 | - | 1 | - |
| Tuberculosis | 127 | 14 | 197 | 7 | 252 | 6 | 236 | 10 | 218 | 11 |
| Typhoid fever | 4 | - | 2 | - | 4 | - | 4 | - | 5 | - |
| Typhus fever, endemic | 3 | - | 1 | - | 9 | - | 13 | - | 5 | - |

a/ Includes reinstated cases
b/ Malaria acquired outside the State
c/ Includes meningitis, meningococcal
d/ DOH discontinued hookworm testing in 1984

TABLE 2

SELECTED COMMUNICABLE DISEASE RATES PER 100,000 POPULATION
IN STATE OF HAWAII 1980-1984

| Year | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|
| Population | 972,600 | 981,000 | 994,000 | 1,023,200 | 1,038,700 |
| | Rates Per 100,000 Population | | | | |
| All Communicable Diseases | 1,262 | 1,166 | 1,037 | 1,104. | 818 |
| Gonorrhea | 450 | 437 | 373 | 282 | 257 |
| Communicable Disease (Exclusive of Venereal Disease) | 788 | 714 | 645 | 807 | 547 |
| Scarlet Fever & Other Strep Infections | 525 | 443 | 350 | 471 | 286 |
| Influenza | 12 | 10 | 22 | 48 | 32 |
| Chickenpox | 95 | 82 | 83 | 141 | 80 |
| Mumps | 3 | 3 | 2 | 2 | 2 |
| Rubella | 1 | 2 | 1 | 0 | 1 |
| Measles (Rubeola) | 1 | 1 | 1 | 0 | 14 |

TABLE 3
COMMUNICABLE DISEASE REPORT BY GEOGRAPHIC AREAS
STATE OF HAWAII, 1984

| Disease | State | | TOTAL CASES a/ | | | | | | Military Active Duty |
|---|---|---|---|---|---|---|---|---|---|
| | Number | Rate b/ | Hawaii | Oahu | Kauai | Lanai | Maui | Molokai | |
| Total | 8,496 | 817.9 | 721 | 7,215 | ' 194 | 5 | 327 | 34 | 868 |
| Amebiasis | 15 | 1.4 | 1 | 7 | - | - | 7 | - | 3 |
| Brucellosis | - | - | - | - | - | - | - | - | - |
| Chancroid | - | - | - | - | - | - | - | - | - |
| Chickenpox | 834 | 80.3 | 45 | 651 | 8 | 2 | 127 | 1 | 2 |
| Conjunctivitis, infec. | 48 | 4.6 | - | 48 | - | - | - | - | 6 |
| Diphtheria | - | - | - | - | - | - | - | - | - |
| Encephalitis, primary & post-infectious | 5 | 0.5 | 1 | 4 | - | - | - | - | - |
| Gonorrhea | 2,664 | 256.5 | 69 | 2,530 | 20 | - | 45 | - | 777 c/ |
| Hansen's Disease d/ | 105 | 10.1 | 12 | 64 | 13 | 1 | 13 | 2 | - |
| Hepatitis A | 33 | 3.2 | 6 | 22 | 3 | - | 2 | - | 10 |
| Hepatitis B | 74 | 7.1 | 4 | 54 | 6 | - | 9 | 1 | 10 |
| Hepatitis Non-A, Non-B | 12 | 1.1 | 2 | 5 | - | - | 5 | - | 4 |
| Hepatitis unspecified | 11 | 1.1 | - | 7 | - | - | 4 | - | 3 |
| Hookworm disease | 3 | 0.3 | - | 3 | - | - | - | - | - |
| Influenza | 328 | 31.6 | 8 | 253 | - | - | 67 | - | - |
| Leptospirosis | 13 | 1.2 | 9 | 3 | 1 | - | - | - | - |
| Lymphogranuloma venereum | - | - | - | - | - | - | - | - | - |
| Malaria (All imported) | 5 | 0.5 | 1 | 4 | - | - | - | - | 2 |
| Measles (Rubeola) | 142 | 13.7 | - | 48 | 92 | - | 2 | - | - |
| Meningitis, aseptic & viral | 108 | 10.4 | 7 | 98 | 2 | - | 1 | - | 10 |
| Meningitis, bacterial (All types) e/ | 39 | 3.7 | 7 | 24 | 5 | - | 3 | - | - |
| Meningitis, meningo. | (3) | (0.3) | (1) | (1) | - | - | (1) | - | - |
| Meningitis, unspecified | - | - | - | - | - | - | - | - | - |
| Mononucleosis, infec. | 30 | 2.9 | 17 | 13 | - | - | - | - | 2 |
| Mumps | 22 | 2.1 | - | 14 | 2 | 1 | 4 | 1 | - |
| Pertussis (Whooping cough) | 102 | 9.8 | 9 | 52 | 14 | - | 2 | 25 | - |
| Poliomyelitis | - | - | - | - | - | - | - | - | - |
| Rubella | 5 | 0.5 | - | 4 | - | - | 1 | - | - |
| Rubella, congenital | - | - | - | - | - | - | - | - | - |
| Salmonellosis | 380 | 36.6 | 38 | 326 | 11 | - | 5 | - | - |
| Scarlet fever & other streptococcal infec. | 2,973 | 286.2 | 466 | 2,476 | 13 | - | 17 | 1 | 14 |
| Shigellosis | 165 | 15.9 | 11 | 154 | - | - | - | - | - |
| Syphilis, primary & secondary | 92 | 8.8 | - | 92 | - | - | - | - | 14 c/ |
| Syphilis, early latent | 54 | 5.2 | - | 53 | - | - | 1 | - | 11 c/ |
| Syphilis, late & late latent | 4 | 0.4 | - | 4 | - | - | - | - | - |
| Tetanus | 1 | 0.1 | - | 1 | - | - | - | - | - |
| Trichinosis | 1 | 0.1 | 1 | - | - | - | - | - | - |
| Tuberculosis | 218 | 21.0 | 7 | 195 | 4 | 1 | 9 | 2 | - |
| Typhoid fever | 5 | 0.5 | - | 5 | - | - | - | - | - |
| Typhus fever, endemic | 5 | 0.5 | - | 1 | - | - | 3 | 1 | - |

a/ Resident cases (includes military on active duty)
b/ Number per 100,000 total population (1,038,700)
c/ Reported cases by militaty facilities
d/ Includes reinstated cases
e/ Includes meningitis, meningococcal

TABLE 4

VENEREAL DISEASE CASES REPORTED TO THE DEPARTMENT OF HEALTH BY DIAGNOSIS AND SOURCE OF REPORT

STATE OF HAWAII, 1984

| Type of Disease | | Total | Private Physicians, Hospitals and Institutions | Public Clinics, Hospitals and Institutions | Military |
|---|---|---|---|---|---|
| Total Cases | Number | 2,814 | 941 | 1,071 | 802 |
| | Percent | 100 | 33 | 38 | 29 |
| Syphilis: | | | | | |
| Primary and Secondary | | 92 | 28 | 50 | 14 |
| Early Latent | | 54 | 9 | 34 | 11 |
| Late and Late Latent | | 4 | 3 | 1 | - |
| Gonorrhea | | 2,664 | 901 | 986 | 777 |
| Other Venereal Diseases | | - | - | - | - |

TABLE 5

TOTAL PRIMARY AND SECONDARY SYPHILIS CASES BY AGE

STATE OF HAWAII 1979 - 1984

| Age in Years | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|
| Total All Ages | 106 | 131 | 75 | 120 | 99 | 92 |
| 0 - 14 | - | - | 1 | - | - | - |
| 15 - 19 | 7 | 8 | 2 | 4 | 4 | 7 |
| 20 - 24 | 26 | 25 | 14 | 31 | 37 | 25 |
| 25 - 29 | 20 | 32 | 14 | 30 | 17 | 23 |
| 30 - 34 | 23 | 18 | 17 | 18 | 19 | 11 |
| 35 - 39 | 11 | 17 | 11 | 18 | 7 | 8 |
| 40 - 44 | 13 | 14 | 4 | 8 | 7 | 10 |
| 45 - 49 | 5 | 6 | 8 | 4 | 3 | 4 |
| 50 and Over | 1 | 8 | 4 | 6 | 3 | 4 |
| Unknown | - | 3 | - | 1 | 2 | - |

TABLE 6

TOTAL GONORRHEA CASES BY AGE

STATE OF HAWAII 1979 - 1984

| Age in Years | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|
| Total All Ages | 4,373 | 4,383 | 4,289 | 3,706 | 2,886 | 2,664 |
| 0 - 14 | 18 | 18 | 7 | 13 | 9 | 12 |
| 15 - 19 | 711 | 620 | 548 | 472 | 359 | 337 |
| 20 - 24 | 1,714 | 1,758 | 1,761 | 1,441 | 1,056 | 1,032 |
| 25 - 29 | 908 | 870 | 892 | 808 | 649 | 586 |
| 30 - 34 | 438 | 436 | 508 | 448 | 351 | 288 |
| 35 - 30 | 206 | 210 | 208 | 186 | 143 | 162 |
| 40 - 44 | 98 | 99 | 103 | 102 | 64 | 66 |
| 45 - 49 | 46 | 58 | 51 | 37 | 37 | 23 |
| 50 and Over | 52 | 58 | 54 | 47 | 37 | 41 |
| Unknown | 182 | 256 | 157 | 152 | 181 | 117 |

TABLE 7

NUMBER AND RATE PER 100,000 POPULATION OF TOTAL REPORTED GONORRHEA CASES

STATE OF HAWAII, 1970 - 1984

| | 15 - 19 YEARS | | | 20 - 24 YEARS | | | 25 - 29 YEARS | | | ALL AGES | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YEAR | CASES | POPULATION[1/] | RATE | CASES | POPULATION[1/] | RATE | CASES | POPULATION[1/] | RATE | CASES | POPULATION[1/] | RATE |
| 1970 | 264 | 71,993 | 366.7 | 712 | 81,732 | 871.1 | 223 | 59,583 | 374.3 | 1,494 | 769,913 | 194.0 |
| 1971 | 383 | 75,600 | 506.6 | 888 | 87,900 | 1,010.2 | 326 | 62,500 | 521.6 | 1,975 | 801,000 | 246.6 |
| 1972 | 365 | 78,800 | 463.2 | 925 | 91,000 | 1,016.5 | 363 | 68,200 | 532.3 | 2,080 | 828,000 | 251.2 |
| 1973 | 482 | 81,500 | 591.4 | 987 | 94,000 | 1,050.0 | 488 | 72,200 | 675.9 | 2,408 | 851,000 | 283.0 |
| 1974 | 576 | 83,200 | 692.3 | 1,209 | 96,200 | 1,256.8 | 549 | 76,400 | 718.6 | 2,923 | 867,000 | 337.1 |
| 1975 | 649 | 84,700 | 766.2 | 1,279 | 98,800 | 1,294.5 | 646 | 81,000 | 797.5 | 3,126 | 884,000 | 353.6 |
| 1976 | 719 | 86,200 | 834.1 | 1,360 | 100,300 | 1,355.9 | 798 | 86,100 | 926.8 | 3,591 | 902,000 | 398.1 |
| 1977 | 733 | 86,400 | 848.4 | 1,633 | 101,800 | 1,604.1 | 940 | 87,400 | 1,075.5 | 4,256 | 916,000 | 464.6 |
| 1978 | 510 | 86,400 | 590.3 | 1,269 | 103,700 | 1,223.7 | 737 | 89,600 | 822.5 | 3,409 | 929,000 | 367.0 |
| 1979 | 711 | 86,900 | 818.2 | 1,714 | 105,200 | 1,629.3 | 908 | 92,700 | 979.5 | 4,373 | 950,000 | 460.3 |
| 1980 | 620 | 86,446 | 717.2 | 1,758 | 105,682 | 1,663.5 | 870 | 95,287 | 913.0 | 4,383 | 964,691 | 454.3 |
| 1981 | 548 | 87,900 | 623.4 | 1,761 | 107,500 | 1,638.1 | 892 | 96,900 | 920.5 | 4,289 | 980,900 | 437.3 |
| 1982 | 472 | 89,300 | 528.6 | 1,441 | 109,200 | 1,319.6 | 808 | 98,400 | 821.1 | 3,706 | 996,700 | 371.8 |
| 1983 | 359 | 91,700 | 391.5 | 1,056 | 112,100 | 942.0 | 649 | 101,100 | 641.9 | 2,886 | 1,023,200 | 282.1 |
| 1984 | 337 | 93,000 | 362.4 | 1,032 | 113,800 | 906.9 | 586 | 102.600 | 571.2 | 2,664 | 1,038,730 | 256.5 |

Population data is an estimated total resident population based on figures taken from the 1980 census, which includes Armed Forces and their dependents in Hawaii, and residents temporarily absent, and excludes visitors present.

1/ Data shown only for computational convenience and not intended to imply accuracy beyond threee significant figures.

The reported rates of Gonorrhea by selected age groups in Hawaii, according to their numerical ranking order are: 1) 20 - 24 years; 2) 25 - 29 years and 3) 15 - 19 years.

TABLE 8

HAWAII RESIDENT GONORRHEA (GC) MORBIDITY BY YEAR (1974 -1984),
CASE RATE PER 100,000 POPULATION, BY SEX, AND RESISTANCE TO PENICILLIN

| YEAR | POPULATIONa/ | TOTAL GC | RATE GC | # FEMALE GC | # MALE GC | % MALE GC | TOTAL PPNGb/ |
|---|---|---|---|---|---|---|---|
| 1974 | 867,000 | 2,923 | 337.1 | 1,176 | 1,747 | 60% | - |
| 1975 | 884,000 | 3,126 | 353.6 | 1,209 | 1,917 | 61% | - |
| 1976 | 902,000 | 3,591 | 398.1 | 1,285 | 2,306 | 64% | 10 |
| 1977 | 916,000 | 4,256 | 464.6 | 1,533 | 2,723 | 64% | 22 |
| 1978 | 929,000 | 3,409 | 367.0 | 1,164 | 2,245 | 66% | 26 |
| 1979 | 950,000 | 4,373 | 460.3 | 1,400 | 2,973 | 68% | 63 |
| 1980 | 964,691 | 4,383 | 454.3 | 1,381 | 3,002 | 68% | 162 |
| 1981 | 980,900 | 4,289 | 437.3 | 1,259 | 3,030 | 71% | 184 |
| 1982 | 996,700 | 3,706 | 371.8 | 1,157 | 2,549 | 69% | 99 |
| 1983 | 1,023,200 | 2,886 | 282.1 | 1,014 | 1,872 | 65% | 93 |
| 1984 | 1,038,730 | 2,664 | 256.5 | 920 | 1,744 | 65% | 113 |

a/ Source: Hawaii State Department of Planning and Economic Development, "The Population of Hawaii, 1980: Final Census Results" Statistical Report 143, March, 18, 1981.

b/ Abbreviation for Penicillinase-producing Neisseria gonorrhoeae the penicillin-resistant form of gonorrhea.

TABLE 9

HAWAII INFECTIOUS SYPHILIS MORBIDITY TREND
BY YEAR (1974 - 1984) AND SEX

| YEAR | P & Sa/ | ELb/ | TOTAL | # FEMALES | # MALES | % MALES |
|---|---|---|---|---|---|---|
| 1974 | 34 | 21 | 55 | 5 | 50 | 91 |
| 1975 | 64 | 50 | 114 | 6 | 108 | 95 |
| 1976 | 99 | 58 | 157 | 22 | 135 | 86 |
| 1977 | 46 | 37 | 83 | 13 | 70 | 84 |
| 1978 | 51 | 34 | 85 | 11 | 74 | 87 |
| 1979 | 106 | 69 | 175 | 12 | 163 | 93 |
| 1980 | 131 | 74 | 205 | 7 | 198 | 97 |
| 1981 | 75 | 47 | 122 | 6 | 116 | 95 |
| 1982 | 120 | 66 | 186 | 9 | 177 | 95 |
| 1983 | 99 | 47 | 146 | 15 | 131 | 90 |
| 1984 | 92 | 54 | 146 | 28 | 118 | 81 |

a/ P & S - Primary and Secondary state of syphilis are the infectious stages of syphilis when the lesions are present.

b/ Early Latent stage of syphilis is an early stage of syphilis under one year's duration.

TABLE 10

HAWAII ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)
REPORTED BY YEAR, SEX, AND NUMBER OF KNOWN DEATHS

| YEAR | TOTAL AIDS | # MALES | # FEMALES | KNOWN DEATHS |
|---|---|---|---|---|
| 1983 | 10 | 9 | 1 | 7 |
| 1984 | 16 | 15 | 1 | 4 |

## HANSEN'S DISEASE IN HAWAII
## 1984

Hawaii continues to have the highest incidence and prevalence rates for Hansen's disease within the United States.

However, in 1984 of the 43 people who were newly diagnosed with the disease, only two were Hawaii-born and both of these cases occurred in families with known Hansen's disease. 38 cases were foreign-born and 3 U.S.-born (Tables 6 and 9). Of those whose place of birth was other than Hawaii, 31 came from the Philippines, 5 from Samoa, 3 from the mainland and the remaining 2 from elsewhere.

Of the foreign-born, 10 had the onset of illness before coming to Hawaii and 28 developed symptoms here. Of the 10 cases, 5 had not been previously diagnosed and the median time interval between arrival and diagnosis was 4 months (Range: 3-73 months). Of the 28 cases with symptoms developing here, the interval between onset and diagnosis was 9 months (Range: 1-120 months). Of the 43 new cases, 7 were paucibacillary (I,TT) and 36 multibacillary (BT-LL). Of these 36, 11 were borderline lepromatous (BL), 7 were lepromatous (LL), and the remaining 18 were mid-borderline (BB) or borderline tuberculoid (BT).

Table 8 shows the age distribution at time of registration in Hawaii. It peaks in the over 50 age group with the 60-64 age group having the highest age-specific incidence.

In addition, 58 cases were returned to registry (these being cases who were reviewed and found to have inadequate treatment and/or surveillance) and 21 cases were removed from registry.

All newly diagnosed cases are now assigned to the Hansen's Disease Community Program. This program provides for treatment and follow-up of all patients (555) who are not on the Kalaupapa or Hale Mohalu registry. It provides a system of care through a network of services including private physicians, Public Health Nurses, and various community resources,with the program coordinating and monitoring the patient's care. Household contacts of known cases are also followed and periodically examined to provide for the earliest possible detection of the disease in this at-risk population.

For patients requiring more intensive care, Inpatient care is available at Hale Mohalu at Leahi, on Oahu. This includes patients such as those with severe reactions or complications and the older long-term patient who developed disabilities prior to the availability of effective drug therapy. Also, 101 cases are still on the Kalaupapa registry and retain the privilege of residing at the Kalaupapa community or being admitted to the hospital there whenever necessary.

TABLE 1
TOTAL HANSEN'S DISEASE PATIENTS REGISTERED BY REGISTER STATUS AND YEAR
STATE OF HAWAII 1977-1984

| Register Status | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|---|---|
| Total Cases on Register January 1..... | 421 | 421 | 437 | 458 | 474 | 506 | 550 | 578 |
| New cases added during the year | 27 | 31 | 33 | 34 | 49 | 49 | 41 | 43 |
| Formerly diagnosed cases returned to register..... | 3 | 2 | 2 | 3 | 4 | 11 | 5 | 58 |
| Other additions (registry correction)..... | - | - | - | - | - | - | - | 3 |
| Removed during year..... | 30 | 17 | 14 | 21 | 21 | 16 | 18 | 21 |
| Deaths..... | 5 | 5 | 5 | 8 | 6 | 4 | 6 | 15 |
| Left the State..... | 14 | 10 | 1 | 4 | 1 | 12 | 12 | 5 |
| Discharged from further surveillance..... | 11 | 2 | 8 | 9 | 14 | - | - | - |
| Other deductions (registry correction)..... | - | - | - | - | - | - | - | 1 |
| Total cases on register December 31..... | 421 | 437 | 458 | 474 | 506 | 550 | 578 | 661 |

TABLE 2
HANSEN'S DISEASE PATIENTS, KALAUPAPA REGISTRY STATUS
STATE OF HAWAII 1977-1984

| Register Status | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|---|---|
| Total patients-Kalaupapa Registry January 1..... | 131 | 128 | 127 | 124 | 119 | 115 | 112 | 110 |
| Deaths..... | 3 | 1 | 1 | 5 | 4 | 3 | 2 | 8 |
| Transfer from Registry..... | - | 1 | 2 | - | - | - | - | - |
| Transfer to Registry..... | - | 1 | - | - | - | - | - | - |
| Left the State..... | - | - | - | - | - | - | - | - |
| Other (Registry correction-deduction)..... | - | - | - | - | - | - | - | 1 |
| Total patients - Kalaupapa Registry - December 31..... | 128 | 127 | 124 | 119 | 115 | 112 | 110 | 101 |
| Reactivated cases..... (criteria: positive smears) | 32 | 14 | 5 | 5 | 6 | 6 | 6 | 2 |

TABLE 3
TOTAL CASES OF HANSEN'S DISEASE REGISTERED BY TYPE, LOCATION AND YEAR
STATE OF HAWAII, 1977 - 1984

| Type and Location | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|---|---|
| Total Cases on Registry 12/31 | 421 | 437 | 458 | 474 | 506 | 550 | 578 | 661 |
| Medically Released | 417 | 434 | 458 | 474 | 506 | 550 | 578 | 661 |
| At Home | 288 | 304 | 328 | 349 | 385 | 432 | 462 | 555 |
| Kalaupapa | 128 | 127 | 124 | 119 | 115 | 112 | 110 | 101 |
| Hale Mohalu | 1 | 3 | 6 | 6 | 6 | 6 | 6 | 5 |
| Hospital Care | | | | | | | | |
| Total Days | 44,267 | 42,253 | 40,471 | 39,996 | 41,150 | 41,071 | 39,288 | 36,604 |
| Kalaupapa | 37,469 | 34,961 | 34,741 | 33,971 | 34,320 | 34,565 | 33,745 | 30,419 |
| Hale Mohalu | 6,798 | 7,292 | 5,730 | 6,025 | 6,830 | 6,506 | 5,543 | 6,185 |
| Total Contacts December 31 | 1,070 | 1,088 | 1,110 | 1,400 | 1,600 | 1,600 | 2,000 | 1,850 |

TABLE 4
NEW CASES OF HANSEN'S DISEASE BY AGE GROUP AND YEAR
STATE OF HAWAII, 1977 - 1984

| Age in Years | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|---|---|
| ALL AGES | 27 | 31 | 33 | 34 | 49 | 49 | 41 | 43 |
| 0-9 | 1 | 1 | 1 | - | 1 | 1 | - | - |
| 10-19 | 1 | 5 | 9 | 5 | 6 | 12 | 2 | 5 |
| 20-29 | 10 | 9 | 5 | 9 | 11 | 10 | 9 | 6 |
| 30-39 | 3 | 6 | 2 | 7 | 4 | 8 | 1 | 7 |
| 40-49 | 5 | 3 | 6 | 2 | 5 | 4 | 9 | 1 |
| 50-59 | 1 | 2 | 7 | 2 | 10 | 4 | 8 | 7 |
| 60-69 | 4 | 5 | 3 | 6 | 7 | 5 | 6 | 12 |
| 70- and over | 2 | - | - | 3 | 5 | 5 | 6 | 5 |

TABLE 5
NEW CASES OF HANSEN'S DISEASE BY ISLAND OF RESIDENCE AND YEAR
STATE OF HAWAII, 1977-1984

| | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|---|---|
| ALL ISLANDS | 27 | 31 | 33 | 34 | 49 | 49 | 41 | 43 |
| OAHU | 22 | 27 | 25 | 24 | 35 | 40 | 37 | 33 |
| HAWAII | 1 | 1 | 2 | 2 | 6 | 7 | 3 | 1 |
| MAUI | 2 | 1 | 1 | 4 | 6 | 1 | - | 3 |
| KAUAI | 2 | 1 | 5 | 4 | 2 | 1 | 1 | 4 |
| MOLOKAI | - | - | - | - | - | - | - | 1 |
| LANAI | - | 1 | - | - | - | - | - | 1 |

TABLE 6
NEW CASES OF HANSEN'S DISEASE BY PLACE OF BIRTH AND YEAR OF REGISTRATION
STATE OF HAWAII, 1977-1984

| | TOTAL | % | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---|---|---|---|---|---|---|---|---|---|---|
| HAWAII | 26 | ( 8.5) | 3 | 3 | - | 3 | 9 | 2 | 4 | 2 |
| SAMOA | 51 | (16.6) | 7 | 10 | 5 | 5 | 6 | 5 | 8 | 5 |
| MICRONESIA | 9 | ( 2.9) | - | - | - | - | 1 | 4 | 2 | 2 |
| OTHER PACIFIC ISLANDS | 4 | ( 1.3) | 1a/ | 1b/ | - | 1d/ | - | 1a/ | - | - |
| PHILIPPINES | 196 | (63.8) | 15 | 16 | 24 | 23 | 33 | 35 | 21 | 29 |
| VIETNAM | 3 | ( .9) | - | - | 2 | - | - | 1 | - | - |
| U.S. MAINLAND | 10 | ( 3.3) | 1 | 1 | 1 | 2 | - | - | 2 | 3 |
| OTHER | 8 | ( 2.6) | - | - | 1c/ | - | - | 1e/ | 4e/ f/g/h/ | 2i/j/ |
| ALL | 307 | (100 ) | 27 | 31 | 33 | 34 | 49 | 49 | 41 | 43 |

a/Tonga
b/Fiji
c/Canada
d/Marshall Islands
e/India
f/Laos
g/Portugal
h/China
i/Japan
j/not available

TABLE 7
INCIDENCE OF HANSEN'S DISEASE BY ISLAND OF RESIDENCE, 1984

| ISLAND | 1980 POPULATION a/ | # OF CASES | RATE PER 100,000 |
|---|---|---|---|
| ALL ISLANDS | 930,271 | 43 | 4.6 |
| OAHU | 730,171 | 33 | 4.5 |
| HAWAII | 91,221 | 1 | 1.1 |
| MAUI | 70,609 | 3 | 4.2 |
| KAUAI | 38,269 | 4 | 10.5 |
| MOLOKAI | 6,049b/ | 1 | 16.5 |
| LANAI | 2,119b/ | 1 | 47.2 |

a/Source:"Population Characteristics of Hawaii, 1980" - Population Report, No.13, Oct. 1980

b/Source:"State of Hawaii Data Book, 1983"

TABLE 8
AGE-SPECIFIC INCIDENCE OF HANSEN'S DISEASE IN HAWAII, 1984

| AGE GROUP | NO. OF CASES | POPULATION* | RATE PER 100,000 |
|---|---|---|---|
| 0-9 | 0 | 142,520 | - |
| 10-19 | 5 | 163,167 | 3.1 |
| 20-29 | 6 | 170,189 | 3.5 |
| 30-39 | 7 | 133,446 | 5.2 |
| 40-49 | 1 | 90,905 | 1.1 |
| 50-59 | 7 | 97,846 | 7.2 |
| 60-69 | 12 | 77,397 | 15.5 |
| 70+ | 5 | 46,329 | 10.8 |
| ALL | 43 | 930,271 | 4.6 |

*SOURCE: "Population Characteristics of Hawaii, 1980" - Population Report, No. 13, Oct., 1980

TABLE 3
INCIDENCE OF HANSEN'S DISEASE IN HAWAII, HAWAII-BORN VERSUS FOREIGN-BORN, 1984

| | NO OF CASES | POPULATION* | RATE PER 100,000 |
|---|---|---|---|
| HAWAII-BORN | 2 | 581,300 | .3 |
| FOREIGN-BORN | 38 | 122,243 | 31.1 |
| OTHER U.S. | 3 | 226,728 | 1.3 |
| ALL GROUPS | 43 | 930,271 | 4.6 |

*Source: "Population Characteristics of Hawaii", 1980 Population Report, No. 13, Oct., 1980

TABLE 10
NEW CASES OF HANSEN'S DISEASE BY PLACE OF RESIDENCE AT ONSET OF SYMPTOMS STATE OF HAWAII, 1984

| RESIDENCE | NO. OF CASES |
|---|---|
| HAWAII | 32 |
| OTHER U.S. | 2 |
| GUAM | 1 |
| PHILIPPINES | 4 |
| SAMOA | 2 |
| MICRONESIA | 2 |
| TOTAL | 43 |

TABLE 11
SEX-SPECIFIC INCIDENCE OF HANSEN'S DISEASE IN HAWAII, 1984

| | NO. OF CASES | POPULATION* | RATE PER 100,000 |
|---|---|---|---|
| MALES | 29 | 462,584 | 6.3 |
| FEMALES | 14 | 467,687 | 3.0 |
| ALL | 43 | 930,271 | 4.6 |

*SOURCE: "Population Characteristics of Hawaii, 1980" Population Report, No. 13, Oct./1980

SUMMARY 1984

The Tuberculosis Branch maintains the State Tuberculosis Register, and monitors the care of all cases of tuberculosis in the State. Out-patient tuberculosis treatment for Oahu is provided at Lanakila Health Center Chest Clinic and Rural Clinics elsewhere on the island. Chest clinics for tuberculosis are held on neighbor islands with the assistance of the Public Health Nursing Branch. Leahi, Kula, and Samuel Mahelona Hospitals provide tuberculosis support and treatment services. Tuberculosis screening examinations, including skin tests and x-rays are performed by the Tuberculosis Branch at Lanakila Health Center. Skin testing is also performed by the Public Health Nursing Branch elsewhere on Oahu and in other counties, and x-rays in other counties are provided by various county-state hospitals. Examination of contacts of infectious cases and of infected children (without disease) is carried out cooperatively by the Tuberculosis and Public Health Nursing Branches.

Case-finding activities (Table 1) have shown further reduction in the number of screening x-rays from 30,835 in 1983 to 27,622 in 1984. This is due to continuing public and professional re-education that "routine" x-rays are no longer considered appropriate from medical or public health points of view, and to Tuberculosis Branch policy changes. The Branch will continue efforts to limit tuberculosis screening services to high risk groups. Forty-one of our 218 cases for 1984 were found through the screening program (Table 6), which demonstrate the importance of maintaining case finding (screening) activities for high risk groups.

During 1984, there was further reduction in the number of new tuberculosis cases reported from 236 to 218. This reduction reflects a reduction in U. S.-born cases from 43 in 1983 to 30 in 1984, and of foreign-born from 193 to 188. Only two U. S.-born cases were under age 30 and only 8 were under age 50. This suggests that our TB control procedures are highly effective in reducing the spread of infection in the community. Sixty cases were first seen medically because of symptoms (down from 79 in 1983). As symptomatic cases tend to be more highly communicable, this reduction is a favorable indicator of control. As in prior years, a majority of cases were found by the Department of Health with only 19% first reported by private physicians (Table 5). Tuberculosis deaths (Table 10) increased 2 in 1982 and 1983 to 4 in 1984; these were all in elderly individuals, with long tuberculosis histories. Table 10 also also shows that "new cases reported" remain high - these include TB suspects, those with past disease and current disease-all of which require some evaluation and follow-up.

As noted in Table 7, well over half of our cases continues to be seen in the Filipino ethnic group. Only 2 U. S.-born Filipinos were found to have TB in Hawaii in 1984, for a rate of 2.7 per 100,000 population which is less that the overall U. S.-born rate of 3.3 per 100,000 population. The prevalence of TB in immigrants from the Philippines was over 1,925 per 100,000 (about 2%). The new TB rate for Filipino immigrants who were not admitted with suspected TB was 81 per 100,000 population. Koreans and Indochinese still account for a significant number of cases in relation to their modest overall population. Very few cases are seen in Caucasians. Fourteen of our cases were considered reactivations which is reassuring, as there were 33 such cases in 1983 (Table 8).

Hawaii's tuberculosis incidence rate remains among the highest in the U. S., due to our high immigration rate from countries with high tuberculosis prevalence. Our modest U. S.-born rates (for both Hawaii-born and mainland-born individuals) remains well below the national average, and attest to the value of maintaining a strong tuberculosis control program in the State.

TABLE 1

X-RAY SURVEY ACTIVITIES FOR TUBERCULOSIS BY COUNTY
STATE OF HAWAII, 1984

| Geographic Area | Total Screening Films Taken | Retake Films Needed | X-Rays Consistent with Current or Past Tuberculosis Infection | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Total | | Tuberculosis Diagnosed Current Disease | | Tuberculosis Not Confirmed | |
| | | | Number | Rate* | Number | Rate* | Number | Rate* |
| State of Hawaii | 27,622 | 1,299 | 231 | 8.4 | 21 | .8 | 210 | 7.6 |
| County of Honolulu | 26,432 | 1,280 | 226 | 8.6 | 20 | .8 | 206 | 7.8 |
| Mobile Units | 1,867 | 49 | 6 | 3.2 | - | - | 6 | 3.2 |
| Lanakila Health Center | 24,565 | 1,231 | 220 | 9.0 | 20 | .8 | 200 | 8.1 |
| Routine Survey | 14,352 | 617 | 98 | 6.8 | 5 | .3 | 93 | 6.5 |
| Medical Referrals | 1,290 | 153 | 25 | 19.4 | 4 | 3.1 | 21 | 16.3 |
| Other Agency Referrals | 7,601 | 378 | 84 | 11.1 | 9 | 1.2 | 75 | 9.9 |
| Tuberculin Testing Program - PHN | 1,267 | 78 | 11 | 8.7 | 2 | 1.6 | 9 | 7.1 |
| Extension of Stay of Non-Immigrant Visas | 55 | 5 | 2 | 36.3 | - | - | 2 | 36.3 |
| County of Hawaii | 1,190 | 19 | 5 | 4.2 | 1 | .8 | 4 | 3.4 |

*Per 1,000 survey films.

TABLE 2

TUBERCULOSIS CASES REPORTED BY GEOGRAPHIC AREA OF RESIDENCE
STATE OF HAWAII, 1984

| Geographic Area of Residence | TUBERCULOSIS CASES REPORTED | | | |
|---|---|---|---|---|
| | 1983 | | 1984 | |
| | Number | Rate a/ | Number | Rate a/ |
| State of Hawaii | 236 | 23.1 | 218 | 21.0 |
| County of Honolulu | 195 | 24.5 | 195 | 24.3 |
| City of Honolulu | 135 | 35.3 | 118 | 30.6 |
| Rest of Oahu | 60 | 14.5 | 77 | 18.4 |
| County of Hawaii | 14 | 13.5 | 7 | 6.5 |
| County of Maui b/ | 18 | 22.6 | 12 | 14.4 |
| County of Kauai | 9 | 20.6 | 4 | 9.0 |

a/ Per 100,000 total population

b/ Includes Kalawao County

TABLE 3

TUBERCULOSIS CASES BY PLACE OF BIRTH AND LENGTH OF RESIDENCE, AND NUMBER OF PERSONS ADMITTED TO HAWAII WITH PERMANENT VISAS STATE OF HAWAII, 1984

| Birthplace or Time in Hawaii | 1983 | | | 1984 | | |
|---|---|---|---|---|---|---|
| | Number | Percent | Rate a/ | Number | Percent | Rate a/ |
| Total | 236 | 100.0 | 23.1 | 218 | 100.0 | 21.0 |
| Foreign-Born b/ | 193 | 81.8 | 132.8 | 188 | 86.3 | 127.5 |
| 1 year or less | 83 | 35.2 | --- | 102 | 46.8 | --- |
| Over 1 year - 2 years | 22 | 9.3 | --- | 13 | 6.0 | --- |
| Over 2 years - 5 years | 18 | 7.6 | --- | 19 | 8.7 | --- |
| Over 5 years | 70 | 29.7 | --- | 54 | 24.8 | |
| Unknown time in State | - | - | --- | - | - | --- |
| Mainland-Born | 5 | 2.1 | 2.2 | 2 | .9 | .9 |
| Hawaii-Born | 38 | 16.1 | 6.0 | 28 | 12.8 | 4.3 |
| Birthplace Unknown | - | - | --- | - | - | - |
| U. S.-Born Rate (Hawaii + Mainland) | 43 | 18.2 | 5.0 | 30 | 13.7 | 3.4 |
| U. S. National Average Rate | ... | ... | 10.2 | ... | ... | N/A |
| Number of Persons Admitted to Hawaii with Permanent Visas c/ | 5,383 | | | 5,264 | | |

a/ Rate - Cases per 100,000 total civilian population; rate for foreign-born, mainland-born and Hawaii-born are estimates.
b/ Foreign-born includes people coming to Hawaii from both American and Western Samoa.
c/ Persons admitted to Hawaii with permanent visas include only individuals whose port of entry is Honolulu.

TABLE 4

TUBERCULOSIS CASES BY LOCATION OF DISEASE AND COUNTY OF RESIDENCE, STATE OF HAWAII, 1984

| | | | COUNTY OF RESIDENCE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | State of Hawaii | | Honolulu | | Hawaii | | Maui* | | Kauai | |
| Location of Disease | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 218 | 100.0 | 195 | 100.0 | 7 | 100.0 | 12 | 100.0 | 4 | 100.0 |
| Pulmonary | 202 | 92.7 | 179 | 91.8 | 7 | 100.0 | 12 | 100.0 | 4 | 100.0 |
| Extrapulmonary | 16 | 7.3 | 16 | 8.2 | - | - | - | - | - | - |
| Pleural | 4 | 1.8 | 4 | 2.1 | - | - | - | - | - | - |
| Lymphatic | 7 | 3.2 | 7 | 3.6 | - | - | - | - | - | - |
| Cervical | 7 | 3.2 | 7 | 3.6 | - | - | - | - | - | - |
| Intrathoracic | - | - | - | - | - | - | - | - | - | - |
| Other Lymphatic | - | - | - | - | - | - | - | - | - | - |
| Unknown | - | - | - | - | - | - | - | - | - | - |
| Bone and/or Joint | 3 | 1.3 | 3 | 1.5 | - | - | - | - | - | - |
| Genitourinary | - | - | - | - | - | - | - | - | - | - |
| Miliary | 1 | .5 | 1 | .5 | - | - | - | - | - | - |
| Meningeal | - | - | - | - | - | - | - | - | - | - |
| Peritoneal | - | - | - | - | - | - | - | - | - | - |
| Other | 1 | .5 | 1 | .5 | - | - | - | - | - | - |
| Site Not Stated | | | | | | | | | | |

*Includes Kalawao County.

TABLE 5

TUBERCULOSIS CASES BY SOURCE OF REPORT AND COUNTY OF RESIDENCE
STATE OF HAWAII, 1984

| Source of Report | State of Hawaii | | COUNTY OF RESIDENCE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Honolulu | | Hawaii | | Maui* | | Kauai | |
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 218 | 100.0 | 195 | 100.0 | 7 | 100.0 | 12 | 100.0 | 4 | 100.0 |
| Health Department | 142 | 65.1 | 122 | 62.6 | 5 | 71.4 | 11 | 91.7 | 4 | 100.0 |
| Private Physician | 42 | 19.2 | 41 | 21.0 | 1 | 14.3 | - | 91.7 | 4 | - |
| Tuberculosis Hospital or OPD | 16 | 7.3 | 16 | 8.2 | - | - | - | - | - | - |
| General Hospital or OPD | 15 | 6.9 | 14 | 7.2 | - | - | 1 | 8.3 | - | - |
| Tripler Army Hospital or VA | 1 | .5 | 1 | .5 | - | - | - | - | - | - |
| Death Certificate | 1 | .5 | - | - | 1 | 14.3 | - | - | - | - |
| Other | 1 | .5 | 1 | .5 | - | - | - | - | - | - |

*Includes Kalawao County

TABLE 6

TUBERCULOSIS CASES BY REASON FOR EXAMINATION AND COUNTY OF RESIDENCE
STATE OF HAWAII, 1984

| Reason For Examination | State of Hawaii | | COUNTY OF RESIDENCE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Honolulu | | Hawaii | | Maui* | | Kauai | |
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 218 | 100.0 | 195 | 100.0 | 7 | 100.0 | 12 | 100.0 | 4 | 100.0 |
| Health Department Survey | 41 | 18.8 | 40 | 20.5 | 1 | 14.3 | - | - | - | - |
| Contact & Source Investigation | 4 | 1.8 | 3 | 1.5 | - | - | - | - | 1 | 25.0 |
| Chest Clinic Follow-up | 7 | 3.2 | 7 | 3.6 | - | - | - | - | - | - |
| Positive Reactor or Converter | 3 | 1.4 | - | - | - | - | 3 | 25.0 | - | - |
| Aliens with Waiver of Excludability for Tuberculosis | 48 | 22.0 | 43 | 22.1 | 1 | 14.3 | 3 | 33.3 | 1 | 25.0 |
| Aliens with Tuberculosis Not Considered Current Disease | 33 | 15.1 | 26 | 13.3 | 2 | 28.5 | 4 | 33.3 | 1 | 25.0 |
| Review of Other Visa Films & Evaluation of Foreign-Born | 6 | 2.8 | 6 | 3.1 | - | - | - | - | - | - |
| Symptoms or Illness | 60 | 27.5 | 56 | 28.7 | 1 | 14.3 | 2 | 16.7 | 1 | 25.0 |
| General Hospital & PMD X-Ray Findings | 12 | 5.5 | 12 | 6.2 | - | - | - | - | - | - |
| Death Certificate | 1 | .5 | - | - | 1 | 14.3 | - | - | - | - |
| Other | 3 | 1.4 | 2 | 1.0 | 1 | 14.3 | - | - | - | - |
| Unknown | - | - | - | - | - | - | - | - | - | - |

*Includes Kalawao County

TABLE 7

TUBERCULOSIS CASES BY AGE, RACE AND SEX
STATE OF HAWAII, 1984

| Age Group | ALL RACES | | | Caucasian | | Hawaiian & Pt Hawn | | Chinese | | Filipino | | Japanese | | Korean | | Viet., Cam.,Lao. | | Other* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Male | Female | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| Total . . . . . | 218 | 126 | 92 | 2 | 4 | 7 | 1 | 8 | 4 | 68 | 57 | 10 | 4 | 12 | 13 | 11 | 4 | 8 | 5 |
| 0 - 4 . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 - 9 . . . | 1 | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 - 19 . . . | 7 | 5 | 2 | - | - | - | - | - | - | 1 | 2 | - | - | 1 | - | 2 | - | 1 | - |
| 20 - 29 . . . | 41 | 20 | 21 | - | 1 | - | - | 2 | - | 10 | 12 | - | - | 4 | 6 | 4 | 1 | - | 1 |
| 30 - 39 . . . | 28 | 13 | 15 | - | - | 1 | 1 | 1 | - | 4 | 6 | - | - | 4 | 5 | 3 | 2 | - | 1 |
| 40 - 49 . . . | 31 | 21 | 10 | - | - | 2 | - | 1 | 1 | 12 | 9 | 1 | - | - | - | 1 | - | 4 | - |
| 50 - 59 . . . | 38 | 24 | 14 | 2 | 1 | 1 | - | 1 | - | 18 | 8 | 1 | 2 | - | - | - | 1 | 1 | 2 |
| 60 - 69 . . . | 38 | 20 | 18 | - | - | 2 | - | 1 | - | 13 | 16 | 2 | 1 | 2 | 1 | - | - | - | - |
| 70 and Over . | 34 | 22 | 12 | - | 2 | - | - | 2 | 3 | 10 | 4 | 6 | 1 | 1 | 1 | 1 | - | 2 | 1 |

*Other: Micronesian-(Jaluit-1), (Northern Mariana Islands-1); Tongan-4; Burmese-1; West Samoan-1; American Samoan-1; Guamanian-1; and Asian Indian-1.

TABLE 8

REACTIVATIONS REPORTED BY BACTERIOLOGY AND NUMBER OF REACTIVATIONS
BY COUNTY, STATE OF HAWAII, 1984

| County | Total | Bacteriology | | | Number of Reactivations | | |
|---|---|---|---|---|---|---|---|
| | | Positive | Negative | Unknown | 1 | 2 | 3 |
| Total . . . . . | 14 | 8 | 6 | - | 12 | 1 | 1 |
| Honolulu . . . . | 13 | 7 | 6 | - | 11 | 1 | 1 |
| Hawaii . . . . . | - | - | - | - | - | - | - |
| Maui*. . . . . | 1 | 1 | - | - | 1 | - | - |
| Kauai . . . . . | - | - | - | - | - | - | - |

*Includes Kalawao County

TABLE 9

REACTIVATIONS REPORTED BY AGE, SEX AND COUNTY, STATE OF HAWAII, 1984

| Age Group | State of Hawaii | | | Honolulu | | Hawaii | | Maui* | | Kauai | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Total | 14 | 9 | 5 | 8 | 5 | - | - | 1 | - | - | - |
| Under 5 | - | - | - | - | - | - | - | - | - | - | - |
| 5 - 14 | - | - | - | - | - | - | - | - | - | - | - |
| 15 - 24 | 1 | 1 | - | 1 | - | - | - | - | - | - | - |
| 25 - 44 | 3 | 1 | 2 | - | 2 | - | - | 1 | - | - | - |
| 45 - 64 | 4 | 1 | 3 | 1 | 3 | - | - | - | - | - | - |
| 65 and Over | 6 | 6 | - | 6 | - | - | - | - | - | - | - |

*Includes Kalawao County

TABLE 10

NUMBER OF TUBERCULOSIS DEATHS, AND NEW CASES REPORTED BY YEAR
STATE OF HAWAII, 1930, 1940, 1950, 1960, 1970, 1980 THROUGH 1984

| Year | Deaths | New Cases Reported a/ | Tuberculosis Cases b/ |
|---|---|---|---|
| 1930 | 379 | 1,060 | 1,060 |
| 1940 | 257 | 717 | 717 |
| 1950 | 114 | 743 | 339 |
| 1960 | 13 | 462 | 293 |
| 1970 | 13 | 733 | 270 |
| 1980 | 5 | 810 | 167 |
| 1981 | 4 | 885 | 197 |
| 1982 | 2 | 903 | 252 |
| 1983 | 2 | 768 | 236 |
| 1984 | 4 | 826 | 218 |

a/ Cases reported with current disease, suspects and past disease.
b/ Cases reported with current disease.

# DENTAL HEALTH DIVISION

# DENTAL HEALTH DIVISION

## DEPARTMENT OF HEALTH ANNUAL REPORT
## 1984

## SUMMARY

The Dental Health Division is responsible for conducting programs for the prevention and control of dental diseases. Other than carrying on planning and surveillance activities it conducts community programs aimed at preventing tooth decay and treating oral diseases that exist among groups of needy people.

Five dentists staffed the Hospital Dentistry and Community Services Program during 1984. This was one less dentist than 1983 but the number of patients treated were only 66 less than 1983. Two hundred and fourteen more teeth were extracted in 1984 compared to 1983 which indicates that patients applying for dental treatment are now in worse dental condition than the year before. This is expected since the economic slump has been felt in Hawaii for the last three years. More dentures were made for patients in 1984 (4.6 per 100 patients) compared to 1983 (4.2 per 100 patients). Emphasis on public health dental care remains in restoring teeth rather than extracting them. On an average, the program placed 1.3 fillings in the mouths of dental patients. Eighty-six per cent of all patients were treated to completion.

Mass prevention of tooth decay was made available to school children through the topical fluoride application program conducted by the Dental Hygiene Branch. The program aims at reducing tooth decay among enrolled children by 25% or more. This method of preventing decay is being utilized in Hawaii due to the lack of acceptance of community water fluoridation.

In 1984, 74,113 children were provided applications of topical fluoride by dental hygienists. This was an increase of 9.5% over the last year. The hygienist position on Kauai was filled during the first half of the year.

Dental health education was provided to 11,126 individuals through classroom talks and assemblies. Chairside dental health instruction were also provided to the 74,113 children who received topical fluoride applications.

TABLE 1

SUMMARY OF DENTAL HEALTH SERVICES

STATE OF HAWAII, FISCAL YEAR 1983 - 1984

| Type of Services | Number Served |
|---|---|
| Prevention and Detection | |
| Number of School Children Given Topical Fluoride Applications..... | 74,113 |
| Number of School Children Referred to Private Dentists..... | 109,963 |
| Number of School Children Given Dental Health Education..... | 11,126 |
| Treatment | |
| Number of Persons Treated in Institutions..... | 709 |
| Number of Persons Treated in Community-centered Facilities..... | 1,700 |

TABLE 2

DISTRIBUTION OF DENTAL HYGIENE SERVICES BY COUNTIES
STATE OF HAWAII, FISCAL YEAR 1983-1984

| Year and County | Number of Schools Served | | Number of Children Served | | |
|---|---|---|---|---|---|
| | Public | Private | Number of Dental Inspections and Follow-Up | Number of Fluoride Applications | Dental Health Education |
| 1982-1983..... STATE | 201 | 70 | 184,249 | 67,714 | 77,372 |
| 1983-1984..... STATE | 194 | 124 | 107,963 | 74,113 | 85,239 |
| OAHU..... | 153 | 112 | 95,087 | 62,941 | 74,044 |
| HAWAII..... | 18 | 5 | 7,854 | 6,906 | 6,906 |
| KAUAI..... | 7 | 3 | 1,095 | 1,027 | 1,027 |
| MAUI-MOLOKAI-LANAI..... | 16 | 4 | 3,927 | 3,239 | 3,262 |

TABLE 3

DENTAL TREATMENT STATUS OF CHILDREN IN 184 SCHOOLS BY AREAS
STATE OF HAWAII, 1983-1984

| Area | Number of Schools Reported | Enrollment | Number of Children in Grades Kindergarten - 12th | | | Percent Completed and Receiving Treatment |
|---|---|---|---|---|---|---|
| | | | Completed Treatment | Receiving Treatment | No Treatment During School Year | |
| STATE ..... 1982-1983 | 186 | 122,584 | 7,107 | 37,807 | 77,670 | 36.6 |
| STATE ..... 1983-1984 | 184 | 120,911 | 5,720 | 39,656 | 75,535 | 37.5 |
| HONOLULU CITY ..... | 55 | 34,635 | 2,373 | 12,428 | 19,834 | 42.7 |
| RURAL OAHU ..... | 95 | 72,017 | 1,852 | 25,316 | 44,849 | 37.7 |
| Central Oahu ..... | 33 | 27,462 | 678 | 9,823 | 16,961 | 38.2 |
| Leeward Oahu ..... | 33 | 28,353 | 637 | 9,675 | 18,041 | 36.4 |
| Windward Oahu ..... | 29 | 16,202 | 537 | 5,818 | 9,847 | 39.2 |
| HAWAII ..... | 11 | 6,231 | 481 | 1,345 | 4,405 | 29.3 |
| KAUAI .(position filled 1/30/84) | 9 | 3,416 | 261 | 142 | 3,013 | 11.8 |
| MAUI ..... | 14 | 4,612 | 753 | 425 | 3,434 | 25.5 |

TABLE 4

TREATMENT DATA
HOSPITAL DENTISTRY & COMMUNITY SERVICES BRANCH
STATE OF HAWAII, F.Y. 1983 - 1984

| CLINICS | PATIENTS | | | SELECTED PRECEDURES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of New Patients | Adults | Minors | No. Completed Treatment | Examinations | Radiographs | Prophylaxis | Topical Fluoride Appl. | Fillings | Extractions | Crowns | Dentures |
| TOTAL | 2,409 | 1,830 | 579 | 2,079 | 2,366 | 3,602 | 1,451 | 777 | 3,216 | 1,243 | 130 | 109 |
| Institutional | 709 | 695 | 14 | 831 | 698 | 1,063 | 428 | 229 | 949 | 367 | 38 | 32 |
| Community-Centered | 1,700 | 1,135 | 565 | 1,248 | 1,668 | 2,539 | 1,023 | 548 | 2,267 | 876 | 92 | 77 |

# ENVIRONMENTAL PROTECTION AND HEALTH SERVICES DIVISION

## SUMMARY

The Pollution Investigation and Enforcement Branch of the Environmental Protection and Health Services Division is responsible for preserving and improving the quality of the environment throughout the State. Monitoring and enforcement programs are the principle vehicles through which pollution control rules are implemented in the fields of air; water, including all non-potable coastal and fresh waters; and solid waste.

The branch is involved in the following activities:

1. Determination of violations and enforcement of pollution control rules.
2. Monitoring of ambient conditions with air and water quality standards as control measures.
3. Inspection of conditions and operating procedures at landfills and sewer treatment plants.
4. Investigation of complaints by the public and conducting special studies in critical areas of environmental concern.

TABLE 1
SUMMARY OF AIR QUALITY DATA
STATE OF HAWAII, 1984
(24-Hour Sampling)

| Sampling Stations | Micrograms Per Cubic Meter ($ug/m^3$) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Total Suspended Particulates | | | | [1]Sulfur Dioxide | | | |
| | No. of Samples | Annual Minimum | Annual Maximum | Arith. Average | No. of Samples | Annual Minimum | Annual Maximum | Arith. Average |
| Barbers Point - Oahu | 42 | 17 | 112 | 54 | 41 | <5 | <5 | <5 |
| Downtown, Honolulu - Oahu | 60 | 11 | 48 | 25 | 58 | <5 | <5 | <5 |
| [2]Kalihi Kai - Oahu | ... | ... | ... | ... | ... | ... | ... | ... |
| Pearl City - Oahu | 56 | 15 | 45 | 28 | 42 | <5 | <5 | <5 |
| [2]Waikiki - Oahu | ... | ... | ... | ... | ... | ... | ... | ... |
| [3]Liliha - Oahu | 50 | 18 | 56 | 33 | ... | ... | ... | ... |
| Waimanalo - Oahu | 56 | 9 | 60 | 25 | ... | ... | ... | ... |
| Kahului - Maui | 42 | 24 | 121 | 64 | 45 | <5 | 62 | 7.8 |
| Kihei - Maui | 47 | 15 | 83 | 44 | ... | ... | ... | ... |
| Hilo - Hawaii | 55 | 7 | 27 | 15 | 50 | <5 | 5 | <5 |
| Lihue - Kauai | 55 | 13 | 91 | 35 | 46 | <5 | <5 | <5 |

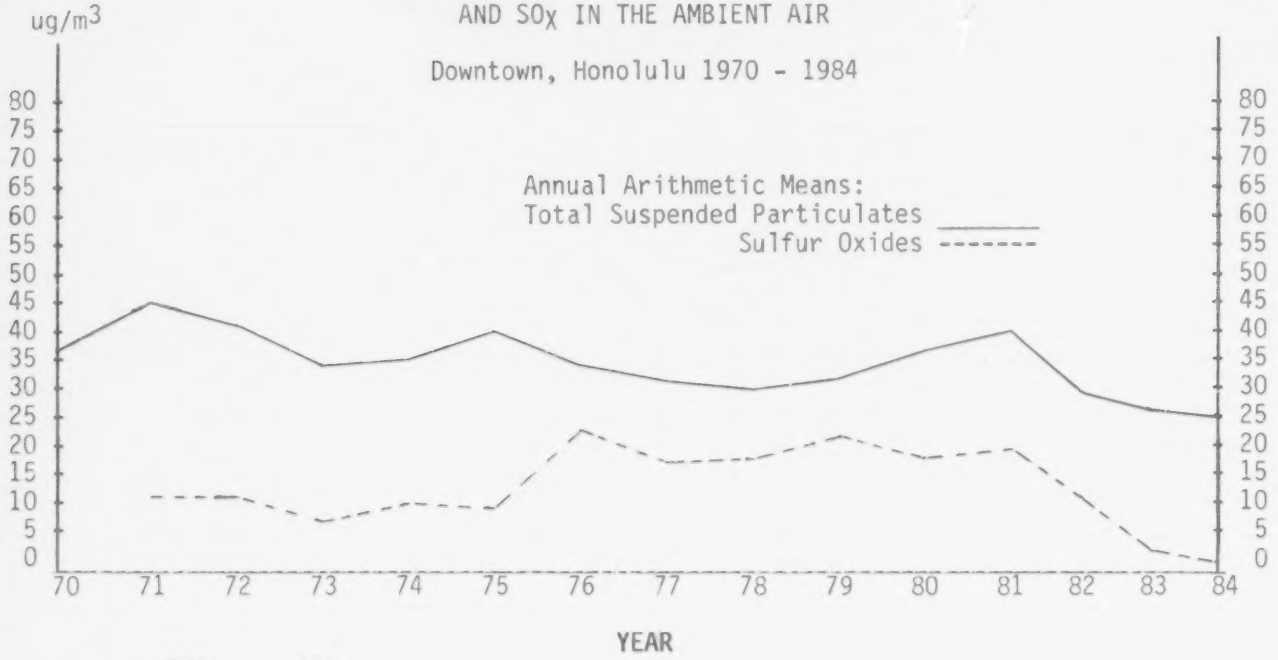
[1]$SO_x$ sampling discontinued December 1, 1984 at the Pearl City and Lihue Stations, averages based on 11 months of data.

[2]Sampling sites discontinued January 1, 1984.

[3]New site established January 19, 1984 at Kauluwela Elementary School in Liliha.

Source: Hawaii State Department of Health,
Pollution Investigation and Enforcement Branch, records

FIGURE 1
TRENDS OF TOTAL SUSPENDED PARTICULATES
AND $SO_X$ IN THE AMBIENT AIR




| Date | TSP ug/m3 | $SO_X$ ug/m3 |
|---|---|---|
| 1970 | 37 | - |
| 1971 | 45 | 11 |
| 1972 | 41 | 11 |
| 1973 | 34 | 7 |
| 1974 | 35 | 10 |
| 1975 | 40 | 9 |
| 1976 | 34 | 23 |
| 1977 | 31 | 17 |
| 1978 | 29 | 18 |
| 1979 | 32 | 22 |
| 1980 | 37 | 18 |
| 1981 | 40 | 19 |
| 1982 | 29 | 11 |
| 1983 | 26 | 2.7 |
| 1984 | 25 | 2.3 |

Sampling is conducted approximately 46 ft. above ground on the roof of the State Health Department building, 1250 Punchbowl Street, Honolulu, Hawaii.

Primary and secondary National Ambient air quality standards have been promulgated by the federal government. Primary standards are designed to prevent adverse effects on public health, while secondary standards are designed to prevent adverse effects on public welfare, including the values, and soiling and deterioration of materials. The standards for total suspended particulates (TSP) and sulfur oxides ($SO_X$) for the annual mean values are as follows:

| | TSP(ug/m3) | $SO_X$(ug/m3) |
|---|---|---|
| Primary standard | 75 | 80 |
| Secondary standard | 60 | |

TABLE 2
WATER QUALITY ON PUBLIC BEACHES: 1984

| Beaches | Number of Samples | *Fecal Coliform Density Geometric Means (MPN/100 ml) |
|---|---|---|
| Oahu: | | |
| Ala Moana Park (Ewa) | 22 | 5.7 |
| Ala Moana Park (Center) | 12 | 2.7 |
| Ala Moana Park (Diamond Head) | 12 | 3.1 |
| Elks Club Beach | 12 | 5.4 |
| Ewa Beach | 10 | 4.8 |
| Ft. DeRussy Beach | 12 | 6.8 |
| Gray's Beach | 21 | 5.4 |
| Hanauma Bay | 12 | 9.5 |
| Kahana Park Beach | 12 | 58.2 |
| Kahanamoku Beach | 11 | 2.4 |
| Kahanamoku Lagoon (Diamond Head) | 23 | 16.8 |
| Kailua Bay Outfall Shoreline | 12 | 3.8 |
| Kailua Beach Park | 12 | 2.5 |
| Kokokahi Pier | 12 | 12.1 |
| Kuhio Beach | 12 | 8.4 |
| Public Bath Beach | 21 | 3.3 |
| Tavern Beach | 12 | 6.1 |
| Sand Island Pt. #3 | 12 | 2.3 |
| Kauai: | | |
| Brennecke Beach | 4 | 2.5 |
| Hanalei Bay Landing | 3 | 42.8 |
| Poipu Beach | 4 | 4.4 |
| Hawaii: (Hilo) | | |
| Exit of Ice Pond | 12 | 15.6 |
| Leileiwi Beach Park | 12 | 109.7 |
| Onekahakaha | 12 | 5.6 |
| Puhi Bay #3 | 12 | 12.9 |
| Hawaii: (Kona) | | |
| Hapuna Beach | 12 | 5.3 |
| Kahaluu Beach | 12 | 2.6 |
| Kealakekua Bay (off curio stand) | 12 | 3.3 |
| Kealakekua Bay (off canoe landing) | 12 | 4.4 |
| Magic Sands Beach | 12 | 5.4 |
| Puako Beach Lots (middle) | 12 | 9.5 |
| Puako Beach Lots (far end) | 12 | 46.2 |
| Spencer Beach Park | 12 | 9.8 |
| Maui: | | |
| Hukilau Hotel Shoreline | 11 | 3.0 |
| [1]Maui Sheraton | -- | -- |

[1]Site discontinued January 1, 1984.
*The geometric mean standard for fecal coliform density is 200 per 100 ml.

Source: Hawaii State Department of Health,
Pollution Investigation and Enforcement Branch, records

## CONSTRUCTION GRANTS PROGRAM

The major function of the Wastewater Treatment Works Construction Grants Branch is to administer the Construction Grants Program for public wastewater treatment works pursuant to P.L. 92-500. Under the said program, 75 percent of the cost of constructing public treatment facilities are financed with federal funds, 10 percent by state funds and 15 percent by county funds. A total of $30,891,291 of federal funds were awarded to wastewater treatment works projects in Hawaii during 1984. The major objectives of the construction of public wastewater treatment works are to abate the pollution of the State's waters and to eliminate public health hazards caused by inadequate sewage disposal systems.

The administering of the program includes review of grant applications, facilities plans, environmental impact statements, infiltration-inflow analysis, construction plans and specifications, payment requests, construction activities contracts and other technical documents. A project is broken down into three (3) steps which include Step 1 (development of a facilities plan), Step 2 (development of construction plans and specifictions) and Step 3 (construction).

The following statistics indicate federal grants awarded to various projects (Table 1) and projects which have been completed during the year 1983 (Table 2):

TABLE 1

| GRANTS AWARDED FOR: | PROJECT STEP | FEDERAL GRANT AMOUNT |
|---|---|---|
| Makapuu Interceptor Sewer, Sec. 1 | 3 | 666,118 |
| Makapuu Interceptor Sewer, Sec. 2 | 3 | 383,066 |
| Kaunakakai WTP Expansion | 3 | 2,084,928 |
| Central Lab Maintenance Facility | 3 | 4,494,509 |
| Ice Pond Collector Sewer | 3 | 332,985 |
| Ewa Beach Sewers, Sec. 1, I.D. | 3 | 2,191,088 |
| Waianae STP Modification | 3 | 9,354,264 |
| Makaha Sewers, Sec. 2, I.D. | 3 | 554,583 |
| Kapaa Sewerage System | 3 | 2,913,375 |
| Waimea Valley | 3 | 1,583,455 |
| Kuakini (Kailua/Kona No.) | 3 | 1,668,525 |
| Kapehu Camp S.S. | 3 | 345,618 |
| Grant Increases Awarded: | | |
| Waialua-Haleiwa WTP, FP | 1 | 70,557 |
| Napili-Honokowai I.S. | 3 | 55,561 |
| Lanaina WTP | 3 | 1,425,000 |
| Honouliuli, Inc. 3, Start-up Services | 3 | 883,717 |
| Kaneohe/Kailua STP, FP | 1 | 60,884 |
| Makapuu I.S., Sec. 1 | 3 | 30,287 |
| Sand Island STP, Unit I, Phase 2 | 3 | 1,745,251 |
| Ahuimanu Sewage Pump Station | 3 | 37,961 |
| Ice Pond Sewers | 3 | 9,559 |
| | Total | $30,891,291 |

TABLE 2

| COMPLETED PROJECTS | PROJECT STEP |
|---|---|
| Wailua Flotation Thickener | 3 |
| Lihue STP, Heater/STP | 3 |
| Mililani, Phase I | 3 |
| Mililani, Phase II | 3 |
| Ahuimanu Force Main, Sec. 1 | 3 |
| Pearl City Sewage Pump Station | 3 |
| Lanai City STP | 3 |

## ENVIRONMENTAL PERMITS BRANCH

The Environmental Permits Branch administers permit and registration systems for air, water and solid waste programs by reviewing and evaluating applications and engineering reports and plans.

### WASTEWATER PERMITS SECTION

Under federal and state laws, no person can discharge pollutants into a waterway from a point source unless a permit is obtained from the Department, which regulates what may be discharged and how much. Point sources include private and public wastewater treatment facilities, manufacturing plants, agriculture, wholesale, retail and other commercial establishments. Those obtaining permits comply with firm, legally enforceable requirements to meet applicable state laws. At present, the Department administers 94 National Pollutant Discharge Elimination System permits and 36 Zones of Mixing.

The Department currently administers a General Pretreatment Program for EPA. This program controls wastewater discharges into municipal sewer systems. This program was delegated to the City and County of Honolulu during 1982.

Another program administered by the Department is the Underground Injection Control (UIC) Program that regulates discharges of pollutants to subsurface disposal systems. This program will lead up to the pending delegation of another joint federal-state program, Underground Injection Control for regulating wastewater discharge into the ground for the purposes of protecting groundwater resources. There are an estimated 500 injection wells in the State which transmit wastewater of some kind into groundwaters. The Underground Injection Control Program will determine and control any threat these wastewaters will have on our present and future drinking water resources.

Table 1

Permits Issued or Renewed (1984 Calendar Year)

| | |
|---|---|
| NPDES | 37 |
| Zones of Mixing | 9 |
| Underground Injection Control (Preliminary processing complete) | 11 |

### AIR POLLUTION CONTROL AND SOLID WASTE MANAGEMENT PERMITS SECTION

Air and Solid Waste permits are also administered by the Environmental Permits Branch. Air permits are issued to stationary sources of air pollution. Its primary objective is to safeguard the ambient air quality of the State. Under an agreement between U.S. EPA and the Hawaii Department of Health, the Branch administers the source review provisions of the Prevention of Significant Deterioration (PSD) regulations and implements certain categories of the Standards of Performance for New Stationary Sources and the National Emission Standards for Hazardous Air Pollutants.

With the assistance of an Air Advisory Committee, Chapter 11-59, Ambient Air Quality Standards, and Chapter 11-60, Air Pollution Control, were reviewed for adequacy and PSD provisions incorporated. Proposed revisions were presented to the public in a series of public hearings conducted during May 1984. In addition, geothermal rules were drafted and an ambient air standard for hydrogen sulfide proposed.

Solid waste permits are issued to sanitary landfills and processing facilities such as reclamation plants, transfer stations, convenience centers and incinerators so as to assure that state's standards are met by these facilities.

Table 2

Air Pollution Control (1984 Calendar Year)

| | |
|---|---|
| Authority to Construct Permits Issued | 45 |
| Permit to Operate Issued | 49 |

Solid Waste Management

| | |
|---|---|
| Permits Issued | 10 |

## SUMMARY - CALENDAR 1984

The principal activity of the Sanitation Branch is to maintain a sanitary and healthful environment for the people in Hawaii by providing inspectional, educational and enforcement activities. Sanitarians investigate and abate health nuisances and minimize insanitary conditions which may be a threat to health. Inspections are made of food and food service establishments; milk plants, frozen dessert manufacturing plants; dairy farms; dwelling units, hotels and other multi-dwelling units; public swimming pools; barber shops; mortuaries and cemeteries; laundries; private sewage disposal systems and various other premises for certificates of approval, clearances for licensure or for permit issuance; or for compliance with public health standards and requirements.

The total number of inspections showed a decrease from 63,122 in 1983 to 58,606 in 1984. This decrease in the number of inspections made was due to retirement and the freeze on filling of these positions indefinitely.

The total number of insanitary conditions abated increased from 12,328 in 1983 to 14,491 in 1984. This increase in abatement of sanitary conditions reflects the desire towards accomplishing our objectives and goals.

The Drinking Water Program of the Sanitation Branch monitors the performance of public water systems as defined by Chapter 20, Title 11, Administrative Rules. These regulations, which are reflective of the Federal Safe Drinking Water Act, requires that the system's owners or operators fulfill monitoring requirements as identified by regulation, and that the quality of the water being served meet minimum standards as defined in the statutes. Table 6 reflects the island-by-island distribution of water systems and categorizes systems by type of ownership. Systems are also classified by the nature of the sources which serve them, either surface water, groundwater, or catchment, and by the nature of the populations they serve, either community (residential) or noncommunity (transient). Presently, Chapter 20 requires monitoring for specified bacteriological, turbidity, inorganic and organic chemical, and radiological contaminants. To assure good drinking water quality, the Program monitors directly or requires submission of data from approved laboratories on a schedule prescribed by Chapter 20. In addition, the Program conducts sanitary surveys of a number of the water systems each year to review the facilities as well as the operational and maintenance procedures of the water system owner or operator. When appropriate, the Program makes recommendations to further protect systems against the potential of contamination. When problems arise, the Program lends technical assistance to help minimize potential adverse health effects. As an example, during the recent period of low rainfall, the Program assisted in the determination of acceptable alternative sources of water to serve systems on an emergency basis.

The Food Products Section in the Sanitation Branch of the Environmental Protection and Health Services Division protects the health of the consumer by ensuring that foods are wholesome; over-the-counter drugs and therapeutic devices are safe and effective; cosmetics are harmless; and that all these products are properly labeled, packaged, and advertised. The section is also empowered to require that certain hazardous household products carry adequate label warnings for the safety of children and to be packaged with safety closures.

The Food Products Section administers the Hawaii Food, Drug and Cosmetics Act; the Hawaii Poison Prevention Packaging Act; and the regulations on food and food

products, shellfish, milk, frozen desserts, and poisons. The primary responsibilities of the section involve the inspecting of food and drug establishments, investigating consumer complaints and collecting various specimens for examination to determine conformity with purity, labeling, and identity standards.

Table 7 shows the various samples examined by the Food Products Section. Fish were tested for total mercury content. The court enjoined the Department of Health from applying the action level which was based on the total mercury content of fish. The action level was subsequently changed by the federal government to a methyl mercury basis.

Numerous foods were tested for the pesticide ethylene dibromide (EDB). There were several Department of Health-initiated recalls of foods contaminated with excessive levels of EDB residues.

Table 8 relates the number of milk products collected and tested for compliance with the milk standards.

Table 9 relates the number of frozen desserts collected for compliance with the frozen dessert standards. A 30% increase over 1983 in the number of samples collected is due to the fact that section activities began to normalize after the heptachlor incident.

Table 10 shows the amount of commodities destroyed. The decrease from 1983 in the amount of food destroyed was due to the fact that 1983 values included food destroyed during Hurricane Iwa.

Table 11 shows other selected activities of the Food Products Section. There was a three-fold increase over 1983 in the number of labels reviewed. Again, this increase was due to normalization of the section's activities after the heptachlor incident.

TABLE 1

AVERAGE DAILY PRODUCTION OF PASTEURIZED MILK BY ISLAND
STATE OF HAWAII, 1984

| ISLAND | AVERAGE DAILY PRODUCTION (Pounds) |
|---|---|
| Oahu . . . . . | 292,400 |
| Hawaii . . . . . | 73,960 |
| Maui County* . . . . . | --- |
| Kauai . . . . . | 45,687 |

*Includes the islands of Maui, Molokai, and Lanai

No retail raw milk is sold for human consumption in the State.

2.15 pounds = 1 quart

TABLE 2

DAIRIES AND MILK PLANTS AS OF DECEMBER 31, 1984
BY TYPE AND ISLAND

| TYPE | TOTAL | ISLAND | | | |
|---|---|---|---|---|---|
| | | OAHU | HAWAII | MAUI COUNTY* | KAUAI |
| Pasteurization Plants . . . | 5 | 2 | 1 | 1 | 1 |
| Milk Plant Producers . . . | 25 | 18 | 5 | 1 | 1 |

*Includes the islands of Maui, Molokai, and Lanai

TABLE 3

DISTRIBUTION OF SANITARY INSPECTIONS BY TYPE AND ISLAND
STATE OF HAWAII, 1984

| TYPE OF INSPECTION | TOTAL | ISLAND | | | |
|---|---|---|---|---|---|
| | | OAHU | HAWAII | MAUI COUNTY* | KAUAI |
| Total Inspections | 58,606 | 31,393 | 9,216 | 10,217 | 7,780 |
| Dwellings | 3,374 | 1,414 | 161 | 441 | 1,358 |
| Apartments | 542 | 430 | 18 | 94 | -- |
| Hotels | 391 | 231 | 24 | 116 | 20 |
| Lodging Houses | 17 | 16 | 1 | -- | -- |
| Tenements | 28 | 28 | -- | -- | -- |
| Boarding Houses | 57 | 50 | -- | 5 | 2 |
| Adult Family Boarding Homes | 345 | 285 | 40 | 9 | 11 |
| Care Homes | 413 | 304 | 59 | 16 | 34 |
| Day Care Centers | 490 | 331 | 66 | 42 | 51 |
| Kindergartens, Schools | 655 | 396 | 29 | 158 | 72 |
| Institutions, Hospitals | 834 | 229 | 1 | 596 | 8 |
| Funeral Establishments, Cemeteries | 116 | 110 | 3 | 1 | 2 |
| Liquor Dispensers | 3,093 | 2,000 | 405 | 526 | 162 |
| Grocery Stores | 4,751 | 2,855 | 847 | 611 | 438 |
| Markets | 2,051 | 1,499 | 285 | 184 | 83 |
| Bottling Plants, Canneries | 68 | 37 | 6 | 15 | 10 |
| Food Manufacturers | 3,888 | 2,402 | 646 | 599 | 241 |
| Restaurants, Cafeterias, Drive-Ins, Lunch Counters, etc. | 12,559 | 8,987 | 1,271 | 1,655 | 646 |
| Food Sales | 2,033 | 929 | 362 | 525 | 217 |
| Lunch Wagons | 1,174 | 999 | 80 | 49 | 46 |
| Food Peddlers | 138 | 117 | 10 | 9 | 2 |
| Dairy Farms, Milk Plants | 993 | 599 | 218 | 116 | 60 |
| Frozen Dessert Plants | 160 | 130 | 14 | 3 | 13 |
| Dispensing Freezers, Shave Ice Outlets | 677 | 134 | 141 | 222 | 180 |
| Vending Machine Operations | 8 | 7 | 1 | -- | -- |
| Warehouses | 852 | 598 | 104 | 110 | 40 |
| Hog Ranches, Poultry Farms, Feed Lots | 132 | 49 | 8 | 1 | 74 |
| Slaughterhouses | 12 | -- | 3 | 5 | 4 |
| Vegetable Gardens | 72 | 20 | 22 | 16 | 14 |
| Flower Gardens | 21 | 17 | 4 | -- | -- |
| Barber Shops, Beauty Parlors | 516 | 430 | 41 | 33 | 12 |
| Massage Parlors, Reducing Salons | 89 | 45 | 30 | 12 | 2 |
| Tattoo Shops | 20 | 17 | 3 | -- | -- |
| Clothes Cleaners, Laundries | 75 | 56 | -- | 6 | 13 |
| Secondhand Dealers | -- | -- | -- | -- | -- |
| Mattress Makers | 1 | -- | 1 | -- | -- |
| Amusement Places, Parks, Playgrounds | 373 | 65 | 50 | 248 | 10 |
| Recreational Trailer Camps | 4 | -- | -- | 4 | -- |
| Industrial Plants, Small Shops, General Merchandise | 1,642 | 143 | 177 | 1,152 | 170 |
| Swimming Pools | 754 | 454 | 70 | 46 | 184 |
| Household Sewage Disposal Systems, House Drain, Sewer | 3,765 | 1,252 | 1,136 | 834 | 543 |
| Subdivisions | 534 | 33 | 22 | 102 | 377 |
| Unclassified | 10,889 | 3,695 | 2,857 | 1,656 | 2,681 |

*Includes the islands of Maui, Molokai and Lanai

TABLE 4

SUMMARY OF ACTIVITIES BY SANITARIANS

STATE OF HAWAII, 1984

| ACTIVITY | TOTAL | ISLAND | | | |
|---|---|---|---|---|---|
| | | OAHU | HAWAII | MAUI COUNTY | KAUAI |
| A. Inspection, Investigation, Enforcement | | | | | |
| 1. Insanitary Practices and Hazardous Conditions Abated | | | | | |
| Structures Repaired | 53 | 46 | -- | -- | 7 |
| Plumbing, Fixtures Repaired | 21 | 16 | 4 | -- | 1 |
| Water Supply Violations Corrected | 32 | 19 | 5 | 8 | -- |
| Sewage Disposal Violations Corrected | 684 | 94 | 125 | 436 | 29 |
| Ventilation Corrected | 35 | 13 | 14 | 4 | 4 |
| Floor, Walls, Ceiling Cleaned | 45 | 36 | 1 | 8 | -- |
| Streets, Alleyways, Yards Cleaned of Rubbish, etc. | 96 | 75 | 4 | 16 | 1 |
| Garbage Containers, Conveyances Corrected | 62 | 56 | -- | 5 | 1 |
| Domestic Animals, Poultry Nuisances Abated | 146 | 127 | 1 | 5 | 13 |
| Vermin, Rodent, Birds, Animal Nuisances Abated | 34 | 23 | 3 | 6 | 2 |
| Food Equipment Replaced, Repaired | 25 | 22 | 1 | 2 | -- |
| Food Equipment, Utensils Cleaned | 11 | 11 | -- | -- | -- |
| Food Equipment, Utensils Sanitized | 11 | 10 | -- | -- | 1 |
| Food Equipment, Utensils Properly Stored, Handled | 20 | 18 | -- | 2 | -- |
| Food Storage, Display, Handling Corrected | 17 | 14 | -- | 3 | -- |
| Insanitary Personnel Practices Abated | 16 | 16 | -- | -- | -- |
| Food Handlers' Certificate Obtained | -- | -- | -- | -- | -- |
| Toilet Room and Facilities Cleaned, Repaired | 53 | 43 | 4 | 3 | 3 |
| Barber, Beauty Shop Instruments Cleaned, Sanitized | 25 | 25 | -- | -- | -- |
| Swimming Pool Disinfected; pH Maintained | 83 | 77 | 4 | -- | 2 |
| Depth Marking Violations Corrected | 4 | 4 | -- | -- | -- |
| Swimming Pool Safety Violations Corrected | 40 | 36 | 3 | -- | 1 |
| Bacteriological Standards Met | 5 | 3 | 1 | 1 | -- |
| Abnormal Milk Excluded | 1 | 1 | -- | -- | -- |
| Milking Procedures Corrected | 9 | 8 | 1 | -- | -- |
| Thermometric Controls in Compliance | 27 | 24 | -- | 3 | -- |
| Pressure Differential of Pasteurizer Met | 4 | 1 | 2 | 1 | -- |
| Holding Time of Pasteurizer Met | -- | -- | -- | -- | -- |
| Required Data on Recorder-Controller Charts Furnished | 8 | 6 | -- | 2 | -- |
| Miscellaneous Nuisances Abated | 211 | 185 | 6 | 13 | 7 |
| Total Corrections Made | 1778 | 1009 | 179 | 518 | 72 |

TABLE 4 (Continued)

| Activity | Total | Oahu | Hawaii | Maui County* | Kauai |
|---|---|---|---|---|---|
| 2. Field Test for Cl, pH, Alk., Sed., Abnormal Milk, Pasteurization Equipment, etc. | 4,377 | 651 | 1,724 | 1,445 | 557 |
| 3. Samples Collected: Milk, Food, Water, Swabs, etc. | 5,043 | 480 | 2,267 | 1,206 | 1,090 |
| 4. Complaints Investiaged | 2,209 | 1,647 | 169 | 204 | 189 |
| Warnings Given | 678 | 565 | 86 | 3 | 24 |
| Verbal Orders Given | 1,644 | 804 | 198 | 465 | 177 |
| Verbal Orders Finished | 1,484 | 644 | 178 | 518 | 144 |
| Total Verbal Orders Unfinished | 6,970 | 6,431 | 258 | 209 | 72 |
| Written Orders Given | 52 | 29 | 2 | 12 | 9 |
| Written Orders Finished | 41 | 23 | 1 | 13 | 4 |
| Total Written Orders Unfinished | 125 | 105 | 4 | 7 | 9 |
| 5. Certificates Issued | 698 | 401 | 26 | 244 | 27 |
| 6. Permits Issued | 238 | 29 | 43 | 53 | 113 |
| 7. Permits Degraded | 1 | 1 | -- | -- | -- |
| 8. Permits Suspended, Revoked | 3 | -- | 1 | -- | 2 |
| 9. Prosecutions | 2 | 2 | -- | -- | -- |
| B. Education | | | | | |
| 1. Food, Milk Handlers' Class | 8 | 6 | -- | -- | 2 |
| 2. Workshops, Meetings | 236 | 99 | 70 | 21 | 46 |
| 3. In-Service Training | 42 | 22 | 8 | 5 | 7 |
| Technical Review and Consultation Provided | 7,526 | 1,723 | 1,005 | 786 | 4,012 |

*Includes the islands of Maui, Molokai and Lanai

TABLE 5

DAILY SUMMARY OF FOOD SERVICE AND FOOD ESTABLISHMENTS
STATE OF HAWAII, 1984

| ACTIVITY | TOTAL | ISLAND | | | |
|---|---|---|---|---|---|
| | | OAHU | HAWAII | MAUI COUNTY* | KAUAI |
| INSPECTION, INVESTIGATION, ENFORCEMENT | | | | | |
| A. Insanitary Practices and Hazardous Conditions Abated | | | | | |
| 1. Food Source, Wholesome | 240 | 76 | 34 | 124 | 6 |
| 2. Food--Original Container, Properly Labeled | 293 | 211 | 30 | 38 | 14 |
| 3. Potentially Hazardous Food Meets Temperature Requirements | 330 | 201 | 40 | 71 | 18 |
| 4. Facilities to Maintain Product Temperature | 130 | 18 | 9 | 30 | 73 |
| 5. Thermometers Provided and Conspicuous | 441 | 247 | 52 | 114 | 28 |
| 6. Potentially Hazardous Food Properly Thawed | 158 | 107 | 18 | 23 | 10 |
| 7. Unwrapped and Potentially Hazardous Food Not Re-served | 18 | 9 | 2 | 7 | -- |
| 8. Food Protection---Storage, Preparation, Display, Service, Transportation | 1,250 | 831 | 96 | 261 | 62 |
| 9. Handling of Food (Ice) Minimized | 170 | 141 | 1 | 26 | 2 |
| 10. Food (Ice) Dispensing Utensils Properly Stored | 358 | 235 | 24 | 68 | 31 |
| 11. Personnel Infections, Communicable Disease Restricted; T.B. Clearance Card | 60 | 37 | 17 | 4 | 2 |
| 12. Hands Washed and Clean, Good Hygienic Practice | 397 | 302 | 39 | 36 | 20 |
| 13. Clean Clothes, Hair Restraints | 279 | 232 | 22 | 1 | 24 |
| 14. Food Contact Surfaces: Designed, Constructed, Maintained, Installed | 626 | 476 | 52 | 91 | 7 |
| 15. Non-Food Contact Surfaces: Designed, Constructed, Maintained, Installed | 553 | 427 | 49 | 71 | 6 |
| 16. Dishwashing Facilities: Designed, Constructed, Maintained, Installed | 182 | 120 | 21 | 10 | 31 |
| 17. Accurate Thermometers | 33 | 7 | 6 | 13 | 7 |
| 18. Single-Service Articles, Storage, Dispensing | 203 | 156 | 8 | 35 | 4 |
| 19. No Re-Use of Single-Service Articles | 16 | 9 | 2 | 4 | 1 |
| 20. Pre-flushed, Scraped, Soaked | 1 | 1 | -- | -- | -- |
| 21. Wash, Rinse Water: Clean, Proper Temperature | 25 | 11 | 5 | 6 | 3 |
| 22. Sanitization Rinse: Clean, Temperature, Concentration | 269 | 121 | 37 | 61 | 50 |
| 23. Wiping Cloths: Clean, Use Restricted | 111 | 88 | -- | 21 | 2 |
| 24. Food-Contact Surfaces of Equipment and Utensils Clean | 1,094 | 859 | 80 | 125 | 30 |
| 25. Non-Food Contact Surfaces of Equipment and Utensils Clean | 1,265 | 1,031 | 117 | 106 | 11 |

TABLE 5 (Continued)

| ACTIVITY | TOTAL | Oahu | Hawaii | Maui County* | Kauai |
|---|---|---|---|---|---|
| 26. Storage, Handling of Clean Equipment-Utensils | 326 | 175 | 42 | 100 | 9 |
| 27. Water Source, Safe: Hot & Cold Under Pressure | 165 | 121 | 10 | 20 | 14 |
| 28. Sewage and Waste Water Disposal | 71 | 47 | 14 | 5 | 5 |
| 29. Plumbing--Installed, Maintained | 236 | 185 | 20 | 20 | 11 |
| 30. Plumbing--Cross-Connection, Back Siphonage, Backflow | 85 | 61 | 9 | 6 | 9 |
| 31. Toilet & Handwashing facilities--Number, Convenient, Accessible, Installed | 164 | 89 | 6 | 34 | 35 |
| 32. Toilet Rooms, Self-Closing Doors, Good Repair, Clean Hand Cleanser, Sanitary Hand-Drying, Proper Waste Receptacles | 759 | 592 | 37 | 71 | 59 |
| 33. Garbage & Refuse Disposal Receptacles Covered: Adequate No., Insect/Rodent Proof, Clean | 163 | 106 | 8 | 43 | 6 |
| 34. Outside Storage Area, Enclosures Properly Constructed, Clean: Incineration Controlled | 50 | 31 | 3 | 16 | -- |
| 35. Presence of Insects, Rodents--Outer Openings Protected, Turtles, Other Animals, Proper Insecticides | 822 | 589 | 51 | 149 | 33 |
| 36. Floors: Constructed, Drained, Clean, Good Repair, Covering Installation, Dustless Cleaning Method | 734 | 526 | 71 | 113 | 24 |
| 37. Walls, Ceiling, Attached Equipment: Constructed, Good Repair, Clean, Surfaces, Dustless Cleaning Methods | 883 | 640 | 79 | 133 | 31 |
| 38. Lighting Provided as Required | 98 | 79 | 7 | 5 | 7 |
| 39. Rooms and Equipment--Vented as Required | 85 | 66 | 8 | 10 | 1 |
| 40. Dressing Rooms--Rooms Clean, Lockers Provided, Facilities Clean | 67 | 64 | 1 | 2 | -- |
| 41. Toxic Items Properly Stored, Labeled, Used | 785 | 573 | 45 | 94 | 73 |
| 42. Premises: Maintained, Free of Litter, Unnecessary Articles, Cleaning/Maintenance Equipment Properly Stored, Authorized Personnel | 452 | 258 | 35 | 130 | 29 |
| 43. Complete Separation from Living/Sleeping Quarters, Laundry | 13 | 9 | 1 | -- | 3 |
| 44. Clean, Soiled Linen Properly Stored | 31 | 21 | 3 | 6 | 1 |
| Total Corrections Made | 14,491 | 10,185 | 1,211 | 2,303 | 792 |
| B. Field Test for Cl, pH, Alk, etc. | 3,111 | 1,218 | 980 | 913 | -- |
| C. Samples Collected: Food, Water, Swabs, etc. | 771 | 487 | 152 | 132 | -- |
| D. Complaints Investigated | 1,253 | 1,057 | 96 | 66 | 34 |

TABLE 5 (Continued)

| ACTIVITY | Total | Oahu | Hawaii | Maui County* | Kauai |
|---|---|---|---|---|---|
| E. Orders and Warnings | | | | | |
| Warnings Given | 3,540 | 2,465 | 836 | 115 | 124 |
| Verbal Orders Given | 12,972 | 7,673 | 1,386 | 3,046 | 867 |
| Verbal Orders Finished | 11,532 | 7,350 | 1,109 | 2,303 | 770 |
| Total Verbal Orders Unfinished | 72,455 | 68,818 | 1,127 | 1,983 | 527 |
| Written Orders Given | 29 | 26 | 2 | 1 | -- |
| Written Orders Finished | 33 | 24 | 8 | 1 | -- |
| Total Written Orders Unfinished | 301 | 297 | 2 | -- | 2 |
| F. Certificates Issued | 5,320 | 4,564 | 67 | 687 | 2 |
| G. Permits Issued | 1,437 | 835 | 482 | 112 | 8 |
| H. Permits Suspended, Revoked | 9 | 9 | -- | -- | -- |
| I. Prosecutions | -- | -- | -- | -- | -- |
| EDUCATION | | | | | |
| A. Food Handlers' Class | 40 | 13 | 27 | -- | -- |
| B. Workshops, Meetings | 179 | 136 | 35 | 5 | 3 |
| C. In-Service Training | 102 | 81 | 13 | 4 | 4 |
| TECHNICAL REVIEW AND CONSULTATION PROVIDED | 5,931 | 3,051 | 1,406 | 697 | 777 |

*Includes the islands of Maui, Molokai and Lanai

TABLE 6

PUBLIC WATER SYSTEMS*
STATE OF HAWAII, 1984

| SYSTEMS | Total | Island | | | | | |
|---|---|---|---|---|---|---|---|
| | | Hawaii | Maui | Molokai | Lanai | Oahu | Kauai |
| Municipal Systems | 51 | 20 | 8 | 3 | - | 6 | 14 |
| Private Systems | 68 | 17 | 12 | 3 | 2 | 24 | 10 |
| State Systems | 12 | 1 | 2 | 2 | - | 4 | 3 |
| Federal Systems | 28 | 3 | 3 | - | - | 20 | 2 |
| Total | 159 | 41 | 25 | 8 | 2 | 54 | 29 |
| Sanitary Surveys** | 20 | 5 | 2 | 0 | 2 | 7 | 4 |

*A Public Water System is defined as a system that has at least fifteen service connections or regularly serves an average of at least twenty-five individuals daily at least sixty days out of the year.

**A Sanitary Survey is an on-site inspection of a public water system by Department personnel using standard procedures to determine the effectiveness of the operation and maintenance of the system in providing safe water to the consuming public.

TABLE 7

SUMMARY OF SAMPLES EXAMINED BY THE FOOD PRODUCTS SECTION ON OAHU
STATE OF HAWAII, 1984

| Type of Samples Collected | Number Collected | Violative Samples |
|---|---|---|
| Foods for Pesticide Analyses a/ | 342 | 5 |
| Samples for Evidence Documentation b/ | 38 | 4 |
| Product Standard Samples c/ | 136 | 13 |
| Water Samples from Shellfish Growing Areas | 94 | 40 |
| Fish Samples for Mercury | 64 | -- |

a/ Pesticide analyses of foods other than milk and milk products.

b/ Samples to document a violation or suspected violation which may have been found during an inspection or investigation.

c/ Samples to determine compliance with labeling and product standard requirements.

TABLE 8

SAMPLES AND ANALYSES OF MILK AND MILK PRODUCTS
STATE OF HAWAII, 1984

| Product | No. of Samples for Product Standards a/ | Violative Samples b/ | No. of Samples for Pesticide Analyses | Violative Samples |
|---|---|---|---|---|
| Raw Milk | 336 | 39 | 210 | -- |
| Homogenized Milk | 301 | 15 | 67 | -- |
| Other c/ | 631 | 37 | -- | -- |

a/ Analyses to determine compliance with various milk standards including microbiological, inhibitory substance, somatic cell, phosphatase, milkfat, solids-not-fat, and temperature standards.

b/ The number of violative samples may include retested samples.

c/ Other milk products include recombined milk, imitation milk, skim milk, yogurt, sour cream, etc.

TABLE 9

SAMPLES AND ANALYSES OF FROZEN DESSERTS
STATE OF HAWAII, 1984

| Type of Frozen Dessert | Number of Samples | Violative Samples |
|---|---|---|
| Ice Milk | 663 | 179 |
| Ice Cream | 62 | 7 |
| Sherbert | 19 | 0 |
| Frozen Yogurt | 105 | 18 |
| Others | 61 | 27 |
| Total | 910 | 231 |

Samples tested for compliance with various frozen dessert standards including milkfat, solids-not-fat and microbial standards.

TABLE 10

FOOD AND OVER-THE-COUNTER DRUGS CONDEMNED AND DESTROYED BY COUNTY
STATE OF HAWAII, 1984

| County | Foods (Weight in Pounds) | Retail Value | Over-The-Counter Drugs & Medical Devices (Weight in Pounds) | Retail Value |
|---|---|---|---|---|
| Honolulu | 102,065 | $ 156,475 | 10,745 | $ 75,935 |
| Hawaii | 84,133 | 47,668 | -- | -- |
| Maui | 77,652 | 101,288 | -- | -- |
| Kauai | 1,475 | 1,544 | -- | -- |
| Total | 265,325 | $ 306,975 | 10,745 | $ 75,935 |

TABLE 11

SELECTED ACTIVITIES OF THE FOOD PRODUCTS SECTION
STATE OF HAWAII, 1984

| Activities | Number |
|---|---|
| Agency Assistance | 36 |
| Complaint Investigations | 289 |
| Label Reviews | 595 |
| Frozen Dessert Permits Issued | 300 |
| Poison Permits Issued | 841 |
| Permits Issued for Prophylactic Devices | 2 |
| Number of Consultations | 1,328 |

## SUMMARY

The objective of the Vector Control Branch is to prevent outbreaks of vector-borne diseases and serious vector nuisances. This is accomplished through program activities that are designed to control existing vector populations and prevent encroachment of new vector species from abroad.

Table 1 presents the principal activities of the Branch. There was a significant increase in the number of premises surveyed for vectors during 1984 over the previous year.

Table 2 presents the small mammal retrieval data by island and area. All totals were generally lower than the previous year including trap days and number of mammals retrieved.

Table 3 presents a summary of the zoonosis laboratory activities and findings. Serology testing was generally the same as 1983 with the exception of murine typhus which was significantly lower due to changes in testing procedures.

Table 4 presents a summary of the applied vector research projects. These projects are conducted to provide the program with a better basis for controlling vectors.

TABLE 1

PRINCIPAL ACTIVITIES OF THE VECTOR CONTROL BRANCH ON THE

ISLANDS OF OAHU, HAWAII, MAUI AND KAUAI

STATE OF HAWAII, 1984

| Activity | Total | Island | | | |
|---|---|---|---|---|---|
| | | Oahu | Hawaii | Maui | Kauai |
| Vector Surveillance | | | | | |
| Mosquitoes (Lt-Trap Days) | 39,060 | 20,132 | 10,126 | 2,580 | 6,222 |
| Rodents (Trap-Days) | 293,789 | 71,155 | 175,722 | 46,882 | 30 |
| Flies (Trap-Days) | 1,421 | 1,421 | - | - | - |
| Yellowjackets (Trap-Days) | 12,184 | - | 11,086 | - | 1,098 |
| Others (Trap-Days) | - | - | - | - | - |
| Domestic Vector Abatement | | | | | |
| No. Premises Inspected for Survey | 26,603 | 10,266 | 14,110 | 2,032 | 195 |
| No. Additional Premises Inspected During Complaints | 2,515 | 1,590 | 566 | 338 | 21 |
| Enforcement | | | | | |
| Demolition Permits Investigated | 451 | 389 | 9 | 53 | - |
| Referrals Investigated | 76 | 6 | 25 | - | 45 |
| Complaints Investigated | 3,184 | 1,642 | 1,057 | 387 | 98 |
| Mosquitoes | 389 | 284 | 48 | 40 | 17 |
| Rodents | 1,667 | 807 | 593 | 227 | 40 |
| Flies | 177 | 124 | 22 | 16 | 15 |
| Fleas | 201 | 127 | 41 | 23 | 10 |
| Mites/Ticks | - | - | - | - | - |
| Cockroaches | 89 | 70 | 3 | 14 | 2 |
| Wasps/Bees | 313 | 27 | 255 | 20 | 11 |
| Others | 348 | 203 | 95 | 47 | 3 |
| Area Vector Abatement | | | | | |
| Storm Drains, Pits Trtd. (No.) | 32,635 | 20,556 | 37 | 12,042 | - |
| Mosq. Brdg. Areas Insp. (Ac.)* | 26,751.0 | 10,540.0 | 3,197.2 | 4,753.7 | 3,260.1 |
| Mosq. Brdg. Areas Trtd. (Ac.) | 2,641.7 | 155.6 | 320.2 | 1,010.9 | 1,155.0 |
| Mosq. Adulticiding (Ac.) | 556.0 | 10.0 | - | 546.0 | - |
| Mosq. Brdg. Containers Trtd. (No.) | 36,809 | 16,800 | 20,009 | - | - |
| Mosq. Bio-Control (No. Fish Stocked) | 206,850 | 60,450 | 1,400 | 140,000 | 5,000 |
| Rodent Area Treated (Ac.) | 5,115.3 | 235.0 | 716.8 | 4,163.5 | - |
| Fly Control (Ac.) | 887.0 | - | 10.0 | 867.0 | 10.0 |
| Yellowjacket Nests Destroyed (No.) | 302 | - | 278 | 16 | 8 |
| Cordon Sanitation | | | | | |
| Airport Inspection (Freq.) | 24 | 24 | - | - | - |
| Harbor/Pier Inspection (Freq.) | 245 | 245 | - | - | - |
| Rodent Bait Stations (No.) | 1,935 | 1,407 | - | 528 | - |
| Mosq. Brdg. Containers Trtd. (No.) | 1,024 | 1,000 | - | 24 | - |
| Education and Consultation | | | | | |
| People Reached (No.) | 5,790 | 4,142 | 609 | 524 | 515 |
| Vector Identification (No.) | 302 | 227 | 64 | 11 | - |
| Source Reduction (No.) | 1,561 | 619 | 87 | 639 | 216 |
| Applied Vector Research | | | | | |
| On-Going Projects | 7 | 7 | ... | ... | ... |

* Ac. = Acre

TABLE 2

TOTAL SMALL MAMMAL RETRIEVALS BY ISLAND, ACTIVITY, AND SPECIES

STATE OF HAWAII, 1984

| Island | Activity | Trap-Days* | Total Small Mammals Retrieved | Species | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Rattus | | | | | Mus musculus | | Herpestes auropunctatus | |
| | | | | Total | | | | | | | | |
| | | | | Number | Percent | exulans | norvegicus | rattus | Number | Percent | Number | Percent |
| Hawaii | Field | 70,253 | 4,882 | 1,664 | 34.1 | 286 | 221 | 1,157 | 1,605 | 32.9 | 1,613 | 33.0 |
| | Cordon | 105,469 | 3,887 | 496 | 12.8 | 141 | 26 | 329 | 1,703 | 43.8 | 1,688 | 43.4 |
| | Total | 175,722 | 8,769 | 2,160 | 24.6 | 427 | 247 | 1,486 | 3,308 | 37.7 | 3,301 | 37.6 |
| Oahu | Field | 35,408 | 441 | 344 | 78.0 | 28 | 37 | 279 | 63 | 14.3 | 34 | 7.7 |
| | Cordon | 35,747 | 42 | 42 | 100.0 | - | 29 | 13 | - | - | - | - |
| | Total | 71,155 | 483 | 386 | 79.9 | 28 | 66 | 292 | 63 | 13.0 | 34 | 7.0 |
| Maui | Field | 13,948 | 1,219 | 904 | 74.2 | 272 | - | 632 | 312 | 25.6 | 3 | 0.2 |
| | Cordon | 32,934 | 92 | 52 | 56.5 | 16 | - | 36 | 40 | 43.5 | - | - |
| | Total | 46,882 | 1,311 | 956 | 72.9 | 288 | - | 668 | 352 | 26.8 | 3 | 0.2 |
| Kauai | Field | 30 | 3 | 3 | 100.0 | 3 | - | - | - | - | ... | ... |
| | Cordon | ... | ... | ... | ... | .... | ... | ... | ... | ... | ... | ... |
| | Total | 30 | 3 | 3 | 100.0 | 3 | - | - | - | - | ... | ... |
| Total | Field | 119,639 | 6,545 | 2,915 | 44.5 | 589 | 258 | 2,068 | 1,980 | 30.3 | 1,650 | 25.2 |
| | Cordon | 174,150 | 4,021 | 590 | 14.7 | 157 | 55 | 378 | 1,743 | 43.3 | 1,688 | 42.0 |
| | Total | 293,789 | 10,566 | 3,505 | 33.2 | 746 | 313 | 2,446 | 3,723 | 35.2 | 3,338 | 31.6 |

* Trap-Days = No. Traps Set X No. of Days Trapped

TABLE 3

SUMMARY OF ZOONOSIS LABORATORY ACTIVITIES AND FINDINGS BY AREA

STATE OF HAWAII, 1984

| Activity | Total | Island | | | | |
|---|---|---|---|---|---|---|
| | | Oahu | East Hawaii | West Hawaii | Maui | Kauai |
| No. Macroscopic Examinations | 6,106 | 460 | 773 | 4,012 | 861 | ... |
| Ectoparasites Recovered | | | | | | |
| No. Fleas | 230 | 28 | 57 | 106 | 39 | ... |
| No. Mites | 133 | 86 | 44 | 3 | - | ... |
| No. Lice | 9 | 9 | - | - | - | ... |
| Serology | | | | | | |
| No. Processed Sera for Branch Tests | 1,627 | 344 | 419 | 273 | 591 | ... |
| No. Processed Sera for Pseudorabies | 959 | 39 | 413 | 248 | 259 | ... |
| Plague[a/] | | | | | | |
| No. Sera Processed | 381 | 25 | 209 | 127 | 20 | ... |
| No. Sera Tested | 372 | 23 | 204 | 125 | 20 | ... |
| No. Sera Positive (%) | - | - | - | - | - | ... |
| Murine Typhus[b/] | | | | | | |
| No. Sera Processed | 1,246 | 319 | 210 | 146 | 571 | ... |
| No. Sera Tested | 945 | 296 | 114 | -[d/] | 535 | ... |
| No. Sera Positive (%) | 172 (18.2) | 18 (6.1) | - | - | 154 (28.8) | ... |
| Leptospirosis[c/] | | | | | | |
| No. Cultures Prepared | 427 | 427 | ... | ... | ... | ... |
| No. Cultures Positive | 47 (11.0) | 47 (11.0) | ... | ... | ... | ... |
| Slide Agglutination | | | | | | |
| No. Sera Tested | 187 | 187 | ... | ... | ... | ... |
| No. Sera Positive (%) | 1 (0.5) | 1 (0.5) | ... | ... | ... | ... |

a/ Only animals retrieved from port of entry tested for plague.
b/ Only rat sera tested by IFA technique.
c/ Oahu only.
d/ IFA initiated 1985 -- testing of 1984 sera in progress.

TABLE 4

APPLIED VECTOR RESEARCH PROJECTS

STATE OF HAWAII, 1984

| Pest Common Name (Scientific Name) | Project Title | Status/Purpose |
|---|---|---|
| Southern House Mosquito (Culex quinquefasciatus) | Factors that Limit the Use of Mosquito Fish in Sugar Mill Wastewater | Completed. Acidity of water below pH 4.7 was the cause of fish mortality. Biological decomposition of suspended cane fiber particles from filter sludge was the primary cause of low pH. Separation of this sludge from the wastewater may enable fish to survive. |
| Southern House Mosquito (Culex quinquefasciatus) | Evaluation of Tertiary Amyl Alcohol in Reducing Fish Mortality During Transport | Completed. This fish anesthetic used to reduce oxygen consumption of fish during transport was ineffective in reducing fish mortality. |
| Southern House Mosquito (Culex quinquefasciatus) | Evaluation of Methyl Pentynol in Reducing Fish Mortality During Transport | This fish anesthetic was also ineffective in reducing fish mortality during transport. |
| Southern House Mosquito (Culex quinquefasciatus) | Relationship Between Water Surface Area and Fish Survival During Transport | Completed. Fish survival during transport without oxygenation was dependent on available oxygen at the surface/air interface. Use of shallow containers with large surface areas had less mortality than deep containers with small surface areas containing the same volume of water. |
| Long-Legged Ant (Anoplolepis longipes) | Distribution, Abundance, and Control of the Long-Legged Ant | Continuing. Of six insecticides tested, only one had potential for effective control. Studies are continuing on individual colonies to observe their growth, dispersal, and decline under natural conditions. |
| American Cockroach (Periplaneta americana) | Migratory Behavior of the American Cockroach | Completed. The major source of American cockroach appears to be from sewers and cesspools. Results indicate that rooftop sewer vent pipes are being used as exit points into the community. |
| Mongoose (Herpestes auropunctatus) | Rabies Contingency Plan | Plan, research, and develop a mongoose eradication procedure to contain any rabies outbreak in Hawaii. |

SUMMARY

The Litter Control Office was established within the Department of Health pursuant to Act 2, First Special Session of the 1977 Legislature. The purpose of the office is to promote, coordinate and implement litter control in the State through public education and awareness, streamlined enforcement, continuing voluntary anti-litter campaigns, and requirements for litter receptacles.

"Litter" means all rubbish, refuse, waste material, garbage, trash, offal, or any debris of whatever kind or description, whether or not it is of value, and includes improperly discarded paper, metal, plastic, glass, or solid waste.

The results produced in the 1984 Community Work Day Program are listed in Table 1. Community Work Days were held on January 28, April 28, July 14, and November 17. Prior to each work day, volunteers canvassed their neighborhoods to ask neighbors to participate in the work day project or contribute to support the project.

Table 2 shows the number of participating schools and individuals and the amount of aluminum cans and newspapers and other materials collected in the 1984 Statewide Recycling Campaign. The campaign was conducted during the month of February on the islands of Oahu, Maui, Kauai, Hawaii, and Molokai. The Governor's Advisory Committee on Litter Control and The Recycling Group, which provided funding and coordination, co-sponsored this campaign.

Table 3 shows the number of litter bags that were made available to community organizations, youth groups, and the general public. Litter bags are available to the public upon request for litter control projects and promotional purposes.

Table 4 lists the various types of educational and promotional litter control materials distributed to organizations, agencies, firms and individuals. The total amounts distributed are shown by type of material.

TABLE 1

1984 COMMUNITY WORK DAY PROGRAM
STATE OF HAWAII

| | |
|---|---|
| No. of Neighborhood Canvassers | 1,337 |
| Total Dollars Collected by Canvassers | $12,537 |
| No. Bags of Litter Picked Up | 20,711 |
| No. of Participating Groups | 545 |
| No. of Participants | 10,417 |

TABLE 2

STATE RECYCLING CAMPAIGN
STATE OF HAWAII, FEBRUARY 1984

| No. of Participating Schools | Approximate No. of Participating Individuals | No. of Pounds of Aluminum Cans Collected | No. of Pounds of Other Materials Collected | Total Dollars Earned |
|---|---|---|---|---|
| 105 | 125,000 | 197,000 | 320,400 | $54,024 |

TABLE 3

LITTER BAGS PROVIDED FOR PUBLIC USE
STATE OF HAWAII, 1984

| Type of Bag | Approximate No. Provided |
|---|---|
| Car Litter Bags | 53,300 |
| Litter Bags (30-gallon capacity) | 27,000 |
| Litter Bags Sponsored by Businesses (30-gallon capacity) | 3,470 |

TABLE 4

EDUCATIONAL AND PROMOTIONAL LITTER CONTROL MATERIALS DISTRIBUTED
STATE OF HAWAII, 1984

| Type of Material | Total Amounts Distributed |
|---|---|
| Anti-litter Logo Decals | 12,700 |
| Bumper Stickers | 900 |
| Anti-litter Logo Magnets | 4,230 |
| Book Covers | 1,250 |
| Printed Materials a/ | 45,100 |
| Other Promotional Materials | 38,000 |

a/ Flyers, posters, and brochures.

# MEDICAL HEALTH SERVICES DIVISION

# DIABETES SCREENING SURVEY

## Chronic Disease Branch

## Statistical Report - 1984

Table 1 shows the total number of persons screened and the new diabetics found by age and sex. The percent of positive screenees was essentially the same as last year's, as was the rate of new diabetics found (5.67 per thousand as compared with 5.88 in '82-'83).

Table 2 shows the rates of new diabetics by race and sex. While last year the rate for Filipinos was second highest (after Japanese), this year they show the highest rate (15.85 per thousand screened).

Table 3 shows the rates by island. Hawaii shows the highest rate (8.95 per thousand), but this is still lower than last year's finding of the highest rate which was 14.67 per thousand for Maui.

Table 4 shows figures for blood pressure screening. The percentage of abnormals referred is essentially the same as for the past two years and, in general, is in accordance with national figures.

TABLE 1
DEPARTMENT OF HEALTH
CHRONIC DISEASE BRANCH

DIABETES SCREENING SURVEY BY AGE AND SEX FOR JULY, 1983 - JUNE, 1984

| | TOTAL SCREENED | | | POSITIVE SCREENEES | | | | | | NEW DIABETICS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NUMBER | | | PERCENT | | | NUMBER | | | RATE* | | |
| | TOTAL | MALE | FEMALE | TOTAL | M | F | TOTAL | M | F | TOTAL | M | F | TOTAL | M | F |
| ALL AGES | 5,817 | 2,372 | 3,445 | 84 | 41 | 43 | 1.44 | 1.72 | 1.24 | 33 | 15 | 18 | 5.67 | 6.32 | 5.22 |
| UNDER 25 | 469 | 196 | 273 | 1 | 1 | 0 | 0.21 | 0.51 | 0.00 | 1 | 1 | 0 | 2.13 | 5.10 | 0.00 |
| 25-44 | 1,308 | 483 | 825 | 14 | 4 | 10 | 1.07 | 0.82 | 1.21 | 2 | 1 | 1 | 1.52 | 2.07 | 1.21 |
| 45-54 | 739 | 265 | 474 | 6 | 2 | 4 | 0.81 | 0.75 | 0.84 | 7 | 3 | 4 | 9.47 | 11.32 | 8.43 |
| 55-64 | 1,207 | 453 | 754 | 19 | 8 | 11 | 1.57 | 1.76 | 1.45 | 9 | 4 | 5 | 7.45 | 8.83 | 6.63 |
| 65-OVER | 2,094 | 975 | 1,119 | 44 | 26 | 18 | 2.10 | 2.66 | 1.60 | 14 | 6 | 8 | 6.68 | 6.15 | 7.14 |

*Number of new diabetics per thousand screenees.

TABLE 2
DEPARTMENT OF HEALTH
CHRONIC DISEASE BRANCH

DIABETES SCREENING SURVEY BY RACE AND SEX FOR JULY, 1983 - JUNE, 1984

| | TOTAL SCREENED | | | POSITIVE SCREENEES | | | | | | NEW DIABETICS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NUMBER | | | PERCENT | | | NUMBER | | | RATE* | | |
| | TOTAL | MALE | FEMALE | TOTAL | M | F | TOTAL | M | F | TOTAL | M | F | TOTAL | M | F |
| ALL RACES | 5,817 | 2,372 | 3,445 | 84 | 41 | 43 | 1.44 | 1.72 | 1.24 | 33 | 15 | 18 | 5.67 | 6.32 | 5.22 |
| JAPANESE | 2,463 | 938 | 1,525 | 33 | 16 | 17 | 1.33 | 1.70 | 1.11 | 12 | 7 | 5 | 4.87 | 7.46 | 3.27 |
| CAUCASIAN | 1,444 | 612 | 832 | 17 | 12 | 5 | 1.17 | 1.96 | 0.60 | 6 | 4 | 2 | 4.15 | 6.53 | 2.40 |
| HAWAIIAN,PART-HA | 432 | 179 | 253 | 7 | 2 | 5 | 1.62 | 1.11 | 1.97 | 2 | 0 | 2 | 4.62 | 0.00 | 7.90 |
| CHINESE | 292 | 129 | 163 | 1 | 1 | 0 | 0.34 | 0.77 | 0.00 | 1 | 0 | 1 | 3.42 | 0.00 | 6.13 |
| FILIPINO | 694 | 303 | 391 | 20 | 9 | 11 | 2.88 | 2.97 | 2.81 | 11 | 4 | 7 | 15.85 | 13.20 | 17.90 |
| KOREAN | 41 | 15 | 26 | 1 | 0 | 1 | 2.43 | 0.00 | 3.84 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PUERTO RICAN | 52 | 25 | 27 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OTHER & UNSPEC. | 399 | 171 | 228 | 5 | 1 | 4 | 1.25 | 0.58 | 1.75 | 1 | 0 | 1 | 2.50 | 0.00 | 4.38 |

*Number of new diabetics per thousand screenees.

TABLE 3

DEPARTMENT OF HEALTH
CHRONIC DISEASE BRANCH

DIABETES SCREENING SURVEY BY ISLAND FOR JULY 1, 1983 - JUNE 30, 1984

| LOCATION | TOTAL SCREENED | NO. POSITIVE DEXTROSTIX | NEW DIABETICS | RATE PER 1000 SCREENED |
|---|---|---|---|---|
| OAHU | 2,425 | 26 | 8 | 3.29 |
| HAWAII | 1,899 | 61 | 17 | 8.95 |
| MAUI | 1,063 | 15 | 2 | 1.88 |
| KAUAI | 305 | 5 | 2 | 6.55 |
| MOLOKAI | 0 | 0 | 0 | 0.00 |
| OTHERS | 125 | 16 | 4 | 32.00 |
| TOTAL | 5,817 | 123 | 33 | 5.67 |

TABLE 4

BLOOD PRESSURE SCREENING

Fiscal Year 1983-84

| TOTAL SCREENED | Number 5,517 | Percent 100.0 |
|---|---|---|
| Total *Abnormal Referrals | 1,650 | 29.9 |
| New Referrals | 1,029 | 18.7 |
| Known Hypertensive Referrals | 621 | 11.2 |
| Total Normal Screenees | 3,867 | 70.1 |

*Abnormal criteria is 140/90 or above.

## EMERGENCY MEDICAL SERVICES SYSTEM BRANCH

### Summary 1984

The Emergency Medical Services System Branch (EMSS) is responsible for the administration and coordination of the state comprehensive emergency medical services system through a cohesive network of components that are designed to reduce morbidity and mortality by assuring the availability and accessibility of the best possible prehospital emergency medical services statewide.

Emergency ambulance services are provided on each of the six major islands within identified geographic areas that allow a response time standard of 95% of all calls responded to within an average of twenty minutes. EMS training programs for Emergency Medical Technicians, Mobile Intensive Care Technicians, and public safety personnel (county and state fire, police, and lifeguards) are provided through the Community Colleges on Oahu, Maui, Kauai, and Hawaii. The statewide MEDICOM medical communication system utilizes complex communication equipment that provides voice communication between ambulance personnel and hospitals. This communication system is essential so that physicians may provide medical direction in the delivery of prehospital emergency medical care.

Table 1 shows the number of emergency ambulance units located on each island and the level of service provided.

Table 2 shows the number of calls responded to by emergency ambulance units on each island during calendar year 1984.

TABLE 1
EMERGENCY AMBULANCE UNITS/LEVEL OF SERVICES BY ISLAND
STATE OF HAWAII, FISCAL YEAR 1983-84

| Island | Level of Service | | Total |
|---|---|---|---|
| | BLS | ALS | |
| Oahu | - | 13 | 13 |
| Hawaii | 2 | 6 | 8 |
| Maui | 1 | 4 | 5 |
| Molokai | - | 1 | 1 |
| Lanai | 1 | - | 1 |
| Kauai | 1 | 2 | 3 |
| Total | 5 | 26 | 31 |

BLS = Basic Life Support
ALS = Advanced Life Support

TABLE 2
EMERGENCY AMBULANCE CALLS RESPONDED TO BY ISLAND
STATE OF HAWAII, CALENDAR YEAR 1984

| Island | 1982* | 1983* | 1984* |
|---|---|---|---|
| Oahu | 27,784 | 26,597 | 24,869 |
| Hawaii | 4,948 | 4,868 | 4,889 |
| Maui | 3,348 | 3,242 | 3,419 |
| Molokai | 305 | 278 | 371 |
| Lanai | 56 | 39 | 50 |
| Kauai | 1,618 | 1,490 | 1,567 |
| Total | 38,059 | 36,514 | 35,165 |

* Preliminary data based on manual record count

## HOSPITAL AND MEDICAL FACILITIES BRANCH

A primary responsibility of the branch is to protect patients and residents of all medical domiciliary facilities in the state by means of licensing techniques. In order to facilitate its objectives, and to bring licensing requirements into line with current needs, the branch has been heavily engaged the past few years in rewriting all existing rules and regulations for four types of facilities new in Hawaii--freestanding birthing centers, freestanding surgical outpatient facilities, small community-based homes for mentally retarded persons (ICF/MR), and adult day health centers. Two sets of these rules; Skilled Nursing/Intermediate Care Facilities and Intermediate Care Facilities for the Mentally Retarded; have been approved by the Governor. We anticipate the others will be adopted soon.

The legislature has approved a rearrangement of the administrative regulation for adult boarding homes and care homes. A new continuum-of-care type of domiciliary facility will be developed under the name of adult residential care home. This category will replace both adult family boarding homes and care homes and will be licensed by this branch. The change will become effective July 1986; therefore, this branch will be concentrating in the forthcoming year on making an orderly transition. The whole procedure is part of the overall process of developing a statewide continuum-of-care which promotes alternatives to institutionalization in long-term care.

## LABORATORY SERVICES

The Laboratories Branch provides services to other departmental programs, private physicians, institutions and other governmental programs to enhance their effectiveness for public health and safety, to control the quality of the environment and to enforce the various state laws and regulations.

The services provided include air chemistry; clinical microbiology (bacteriology, mycobacteriology, mycology, parasitology, and serology); food and drug analysis; milk and milk products analyses; pesticide analysis; sanitary microbiology and chemistry; toxixology; and virology. Also, the branch provides training opportunities to other laboratory personnel in the state.

During fiscal year 1984, the branch performed a total of 252,638 examinations for the 198,998 specimens that were received. Some of the significant activities during this period were the monitoring of ethylene dibromide, dibromochloropropane, and trichloropropane in some of the drinking water wells on the islands of Oahu, Maui and Kauai; the detection of atrazine in drinking water wells in Leeward Oahu and in wells along the Hamakua Coast of Hawaii; testing for the presence of inorganic mercury in marlin and related large fishes; the detection of ethylene dibromide in grain food products; continuation of the monitoring of Oahu's milk supply for heptachlor epoxide and other food items, primarily vegetable, for pesticides; continuation of the investigation of herpes simplex in pregnant women; and the establishment of an air monitoring network for the geothermal area on the island of Hawaii.

Also, during the period, the branch was recertified by FDA to perform microbiological and chemical analyses on shellfish and milk; recertified by EPA to perform microbiological and chemical analyses on potable and non-potable waters; recertified by EPA to perform air pollution monitoring analysis; continued to serve as the Salmonella typhi Phage Typing Center and as the Influenza Virus Surveillance and Reference Laboratory for the Pacific Basin for the Center for Disease Control and the World Health Organization, respectively; and serve as a reference laboratory in medical bacteriology for the Center for Disease Control.

TABLE 1

NUMBER OF SAMPLES SUBMITTED TO VARIOUS SECTIONS OF THE LABORATORIES BRANCH AND NUMBER OF BACTERIOLOGICAL, PARASITOLOGICAL, SEROLOGICAL AND CHEMICAL EXAMINATIONS PERFORMED UPON THEM BY TYPE OF SPECIMEN AND ISLAND

STATE OF HAWAII, FY 1984

| Diseases or Type of Samples | All Laboratories | | Oahu | | Hawaii | | Maui | | Kauai | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Specimen/ Sample | Examinations | Specimen/ Sample | Examinations | Specimen/ Sample | Examinations | Specimen/ Sample | Examinations | Specimen/ Sample | Examinations |
| Total ..... | 198,998 | 252,638 | 182,000 | 227,888 | 7,377 | 12,157 | 6,676 | 8,823 | 2,945 | 3,770 |
| Microbiology | | | | | | | | | | |
| Enteric ..... | 1,568 | 7,122 | 1,354 | 6,050 | 111 | 555 | 89 | 464 | 14 | 53 |
| Gonorrhea ..... | 92,530 | 96,521 | 87,172 | 91,003 | 1,541 | 1,619 | 2,478 | 2,528 | 1,339 | 1,371 |
| Staphylococcus Phage Typing ..... | 915 | 1,830 | 915 | 1,830 | - | - | - | - | - | - |
| Streptococcus ..... | 4,411 | 4,785 | 3,988 | 3,988 | 400 | 770 | - | - | 23 | 27 |
| Tuberculosis ..... | 7,691 | 24,445 | 6,730 | 21,404 | 961 | 3,041 | - | - | - | - |
| Miscellaneous Bacteriology ..... | 1,327 | 2,077 | 1,187 | 1,914 | 90 | 113 | 7 | 7 | 43 | 43 |
| Mycology ..... | 532 | 888 | 289 | 565 | 232 | 313 | 11 | 10 | - | - |
| Parasitology ..... | 934 | 1,270 | 410 | 410 | 76 | 71 | 436 | 777 | 12 | 12 |
| Viral Isolation ..... | 1,368 | 1,775 | 1,368 | 1,775 | - | - | - | - | - | - |
| Serology: Syphilis ..... | 12,238 | 15,744 | 10,412 | 13,916 | 411 | 372 | 1,331 | 1,354 | 84 | 102 |
| Non-Syphilis ..... | 658 | 687 | 516 | 516 | 142 | 171 | - | - | - | - |
| Viral & Rickettsial ... | 3,128 | 3,128 | 3,128 | 3,128 | - | - | - | - | - | - |
| Sanitary Microbiology | | | | | | | | | | |
| Drinking Water ..... | 5,697 | 7,126 | 825 | 1,443 | 2,278 | 2,420 | 1,720 | 2,212 | 874 | 1,051 |
| Pollution Monitoring ... | 1,065 | 3,842 | 565 | 2,192 | 254 | 915 | 146 | 454 | 100 | 281 |
| Food Products ..... | 2,852 | 7,282 | 2,015 | 5,260 | 360 | 887 | 250 | 588 | 227 | 547 |
| Food Poisoning ..... | 158 | 1,490 | 156 | 1,483 | 2 | 7 | - | - | - | - |
| Environmental ..... | 178 | 1,261 | 178 | 1,261 | - | - | - | - | - | - |
| Sanitary Chemistry | | | | | | | | | | |
| Drinking Water ..... | 2,979 | 4,451 | 2,877 | 4,349 | 102 | 102 | - | - | - | - |
| Pollution Monitoring ... | 2,993 | 9,713 | 2,980 | 9,591 | - | - | 8 | 113 | 5 | 9 |
| Food Products ..... | 1,048 | 1,769 | 291 | 462 | 333 | 717 | 200 | 316 | 224 | 274 |
| Pesticide ..... | 827 | 999 | 827 | 999 | - | - | - | - | - | - |
| Toxicology ..... | 633 | 1,165 | 633 | 1,165 | - | - | - | - | - | - |
| Clinical Chemistry ..... | 6,523 | 6,523 | 6,439 | 6,439 | 84 | 84 | - | - | - | - |
| Air Pollution Chemistry .. | 46,745 | 46,745 | 46,745 | 46,745 | - | - | - | - | - | - |

TABLE 2

INCIDENCE OF HUMAN SALMONELLA BY TYPE AND AGE
CENTRAL LABORATORY ON OAHU
STATE OF HAWAII - JULY 1983 TO JUNE 1984

| Group | Serotype | All Ages Total | Less than Six Months | Six Months to One Year | One Year to Three Years | Three Years to Ten Years | Ten Years to Twenty Years | Twenty Years and Over | Unknown |
|---|---|---|---|---|---|---|---|---|---|
| | | 442 | 82 | 47 | 67 | 30 | 30 | 162 | 24 |
| A | paratyphi A | 1 | | | | | | 1 | |
| | paratyphi var durazzo | 4 | | | | | | 4 | |
| B | agona | 42 | 3 | 4 | 6 | 6 | 8 | 14 | 1 |
| | bredeney | 1 | | | 1 | | | | |
| | derby | 16 | 3 | 2 | 3 | | | 8 | |
| | chester | 2 | 1 | | 1 | | | | |
| | heidelberg | 7 | 1 | | | 1 | 2 | 3 | |
| | paratyphi B | 1 | | | | | 1 | | |
| | saint paul | 10 | 1 | 1 | | 1 | | 7 | |
| | schwarzengrund | 3 | 1 | | | | | 2 | |
| | stanley | 2 | | | | | | 2 | |
| | typhimurium | 75 | 5 | 4 | 20 | 16 | 3 | 24 | 3 |
| | typhimurium var copenhagen | 6 | 2 | | 1 | | 1 | 2 | |
| $C_1$ | infantis | 9 | 2 | 3 | 2 | 1 | | 1 | |
| | montevideo | 9 | | 1 | 1 | 1 | 1 | 5 | |
| | nienstedten | 1 | 1 | | | | | | |
| | ohio | 11 | 2 | 1 | 3 | 1 | | 4 | |
| | oranienburg | 1 | | | | | | 1 | |
| | oslo | 16 | 3 | 2 | 9 | | | 2 | |
| | potsam | 1 | | | | | | 1 | |
| | singapore | 2 | | | | | 1 | 1 | |
| | thompson | 2 | | 1 | | | 1 | | |
| | virchow | 1 | 1 | | | | | | |
| | salmonella 6,7: non-motile | 2 | | 2 | | | | | |
| $C_2$ | blockley | 3 | | | | | 3 | | |
| | bovis morbificans | 3 | | | | | | 3 | |
| | hadar | 5 | | | | | | 5 | |
| | litchfield | 2 | | | | | | 2 | |
| | manhattan | 3 | | 1 | 2 | | | | |
| | muenchen | 15 | 4 | 4 | 2 | | | 4 | 1 |
| | newport | 49 | 2 | 2 | 4 | | 1 | 31 | 9 |
| | salmonella 6,8: non-motile | 1 | | | | | 1 | | |
| $D_1$ | dublin | 3 | | | | | | 1 | 2 |
| | enteritidis | 5 | | | 1 | | | 4 | |
| | panama | 13 | 2 | | 4 | 2 | | 5 | |
| | typhi phage type: A | 1 | | | | | 1 | | |
| | typhi phage type: $E_1$ | 4 | | | | | 2 | 2 | |
| | typhi phage type: $M_1$ | 1 | | | | | | 1 | |
| | typhi 35---38 | 1 | | | | | | 1 | |
| | typhi - degraded | 5 | | | | | | 5 | |
| $E_1$ | anatum | 2 | 1 | | | | | 1 | |
| | give | 4 | 2 | 2 | | | | | |
| | london | 1 | 1 | | | | | | |
| | meleagridis | 1 | | 1 | | | | | |
| | weltevreden | 62 | 32 | 7 | 4 | 1 | 2 | 11 | 5 |
| | Salmonella 3,10: non-motile | 1 | | 1 | | | | | |
| $E_2$ | lanka | 3 | 2 | | | | | | 1 |
| | newington | 2 | | | | | | 2 | |
| $E_4$ | senftenberg | 1 | | | | | | | 1 |
| F | aberdeen | 9 | 4 | 4 | 1 | | | | |
| | havana | 1 | | | | | | 1 | |
| G | worthington | 1 | | | 1 | | | | |
| H | bousso | 1 | 1 | | | | | | |
| K | cerro | 10 | 4 | 3 | 1 | | 2 | | |
| O | alachua | 1 | 1 | | | | | | |
| S | waycross | 1 | | | | | | | |
| | salmonella rough | 2 | | 1 | | | | 1 | 1 |

TABLE 3

INCIDENCE OF SALMONELLA BY TYPE FROM NONHUMAN SOURCES
CENTRAL LABORATORY ON OAHU
STATE OF HAWAII - JULY 1983 TO JUNE 1984

| Group | Serotype | TOTAL | Avian | Bovine | Canine | Caprine | Equine | Feline | Guinea Pig | Iguana | Lizard | Monkey | Porcine | Salamander | Sea Lion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B | agona..... | 12 | | | | | | | | | 1 | | 9 | 2 | |
| | derby ..... | 1 | | | | | | | | | | | 1 | | |
| | san diego ..... | 15 | 4 | | | | | | | | | | | | 11 |
| | typhimurium .... | 27 | 19 | | | | 2 | | 3 | | | 1 | 2 | | |
| | typhimurium var copenhagen ... | 1 | | | | | | | | | | 1 | | | |
| C1 | infantis ..... | 6 | | 6 | | | | | | | | | | | |
| | lille ..... | 3 | | 3 | | | | | | | | | | | |
| | montevideo ..... | 7 | | 5 | | | | | | | | | 2 | | |
| | ohio ..... | 10 | | 2 | | | 2 | | | | | | 6 | | |
| | oslo ..... | 1 | | | | | | | | 1 | | | | | |
| | tennessee ..... | 4 | | 4 | | | | | | | | | | | |
| C2 | newport ..... | 8 | 8 | | | | | | | | | | | | |
| | kentucky ..... | 1 | | | | 1 | | | | | | | | | |
| D | dublin ..... | 3 | | 3 | | | | | | | | | | | |
| | eastbourne ..... | 6 | | | | | | | | 4 | 2 | | | | |
| E1 | anatum ..... | 4 | | 4 | | | | | | | | | | | |
| | give ..... | 4 | | | | | | | | | 4 | | | | |
| | london ..... | 4 | | | | | | | | | | | 4 | | |
| | meleagridis .... | 2 | | 2 | | | | | | | | | | | |
| | weltevreden .... | 23 | 17 | | 2 | | 2 | 2 | | | | | | | |
| E2 | drypool ..... | 1 | | 1 | | | | | | | | | | | |
| | newington ..... | 2 | | 2 | | | | | | | | | | | |
| G2 | cubana ..... | 2 | | 2 | | | | | | | | | | | |
| | worthington .... | 1 | | 1 | | | | | | | | | | | |
| K | cerro ..... | 6 | | 6 | | | | | | | | | | | |
| | TOTAL | 154 | 48 | 41 | 2 | 1 | 6 | 2 | 3 | 5 | 7 | 2 | 24 | 2 | 11 |

TABLE 4

INCIDENCE OF PARASITES FROM HUMANS
CENTRAL LABORATORY ON OAHU
STATE OF HAWAII - JULY 1983 TO JUNE 1984

| Total Number of Specimens Examined ..... 410 | Total Number of Specimens Positive ..... 80 | Total Number of Parasites Found ..... 109 |
|---|---|---|

INTESTINAL PARASITES FOUND

| ORGANISM | Number Found | ORGANISM | Number Found |
|---|---|---|---|
| PROTOZOA | | HELMINTHS | |
| Sarcodia (Amebae) | | Nematoda (Round Worms) | |
| Entamoeba histolytica .... | 14 | Enterobius vermicularis ... | 1 |
| Entamoeba hartmannii ..... | 9 | Trichuris trichiura ..... | 21 |
| Entamoeba coli ..... | 9 | Ascaris lumbricoides ..... | 13 |
| Endolimax nana ..... | 9 | Hookworm ..... | 9 |
| | | Strongyloides stercoralis . | 4 |
| Mastigophora (Flagellates) | | Cestoda (Tapeworms) | |
| Giardia lamblia ..... | 8 | Taenia sp ..... | 5 |
| | | Taenia saginata ..... | 1 |
| | | Taenia solium ..... | 1 |
| | | Diphyllobothrium latum .... | 1 |
| | | Trematoda (Flukes) | |
| | | Clonorchis sinensis ..... | 4 |

TABLE 5

INCIDENCE OF GRAM NEGATIVE DIPLOCOCCUS
FROM GONORRHEA CULTURES SUBMITTED

STATE OF HAWAII
LABORATORIES BRANCH
JULY 1983 - JUNE 1984

| Island | Number of Specimens | | | |
|---|---|---|---|---|
| | Positive | Negative | Unsatisfactory | Total |
| Hawaii ..... | 64 | 1,469 | 8 | 1,541 |
| Kauai ..... | 16 | 1,290 | 33 | 1,339 |
| Maui ..... | 55 | 2,397 | 26 | 2,478 |
| Oahu ..... | 2,351 | 82,982 | 1,839 | 87,172 |
| Total .... | 2,486 | 88,138 | 1,906 | 92,530 |

TABLE 6

INCIDENCE OF MYCOBACTERIA FROM HUMAN SOURCES
CENTRAL LABORATORY ON OAHU

STATE OF HAWAII
July 1983 - June 1984

| Mycobacterium | Total | Specimen Source | | | | |
|---|---|---|---|---|---|---|
| | | Bronchial | Sputum | Urine | Gastric | Miscellaneous |
| Total | 753 | 11 | 710 | 10 | 2 | 20 |
| tuberculosis | 190 | 3 | 172 | 1 | 0 | 7-lung tissue<br>2-trach aspirate<br>1-neck<br>1-pleural fluid<br>2-lymph node<br>1-cervical node |
| Group I (Photochromogen) | | | | | | |
| kansasii | 5 | 0 | 5 | 0 | 0 | |
| Group II (Scotochromogen) | | | | | | |
| flavescens | 38 | 0 | 35 | 0 | 1 | 1-pleural fluid<br>1-CSF |
| gordonae | 181 | 1 | 173 | 5 | 1 | 1-lung tissue |
| scrofulaceum | 27 | 0 | 27 | 0 | 0 | |
| Group III (Nonphotochromogen) | | | | | | |
| avium-intracellulare complex | 106 | 4 | 99 | 2 | 0 | 1-abscess |
| avium-intracellulare-scrofulaceum | 2 | 0 | 1 | 1 | 0 | |
| gastri | 7 | 0 | 7 | 0 | 0 | |
| terrae complex | 45 | 1 | 44 | 0 | 0 | |
| Group IV (Rapid Grower) | | | | | | |
| chelonei | 33 | 2 | 29 | 0 | 0 | 1-wound<br>1-abscess |
| fortuitum | 111 | 0 | 110 | 1 | 0 | |
| fortuitum complex | 2 | 0 | 2 | 0 | 0 | |
| vaccae | 6 | 0 | 6 | 0 | 0 | |

TABLE 7

VIRAL ISOLATIONS
CENTRAL LABORATORY ON OAHU

STATE OF HAWAII - FISCAL YEAR 1984

| TYPE OF SPECIMEN | NUMBER OF SPECIMENS | | | NUMBER OF EXAMINATIONS |
|---|---|---|---|---|
| | Received | Positive | Negative | |
| Throat Swabs | 201 | 53 | 148 | 254 |
| Fecal | 64 | 10 | 54 | 74 |
| Spinal Fluid | 48 | 7 | 41 | 55 |
| Blood | 1 | 0 | 1 | 1 |
| Tissue | 6 | 0 | 6 | 6 |
| Other | 1,048 | 337 | 711 | 1,385 |
| TOTAL | 1,368 | 407 | 961 | 1,775 |

VIRAL AGENTS ISOLATED:

| | NUMBER ISOLATED | |
|---|---|---|
| 1) Throat Swabs: | | |
| Adenovirus Type (?) | 1 | |
| Coxsackievirus Type A-9 | 1 | |
| Coxsackievirus Type B-4 | 1 | |
| Coxsackievirus Type B-5 | 1 | |
| ECHOvirus Type 16 | 5 | |
| ECHOvirus Type 20 | 1 | |
| ECHOvirus Type 24 | 3 | |
| ECHOvirus Type 25 | 1 | |
| Influenza A/England/333/80 (H1N1) | 17 | |
| Influenxa B/Singapore/222/79 | 26 | |
| 2) Rectal/Fecal Swabs: | | |
| Coxsackievirus Type B-4 | 1 | |
| ECHOvirus Type 16 | 3 | |
| ECHOvirus Type 18 | 2 | |
| ECHOvirus Type 24 | 1 | |
| 3) Cerebrospinal Fluids: | | |
| ECHOvirus Type 16 | 2 | |
| ECHOvirus Type 24 | 5 | |
| 4) Miscellaneous Specimens: | | |
| Coxsackievirus Type A-9 | 1 | (from a swab of an undetermined site) |
| Coxsackievirus Type A-16 | 2 | (from vesicle fluid and a swab of an undetermined site) |
| Coxsackievirus Type B-5 | 2 | (from lung swabs) |
| Herpesvirus hominis | 319 | (218 from genital area, 54 from skin swabs, 4 from oral-pharynx swabs, 1 from tissue fluid, 1 from a nose swab, 41 from swabs of an undetermined site) |

TABLE 8

VIRAL SEROLOGIES
CENTRAL LABORATORY ON OAHU

STATE OF HAWAII - FISCAL YEAR 1984

| TYPE OF SPECIMEN | NUMBER OF SPECIMENS | | | NUMBER OF EXAMINATIONS |
|---|---|---|---|---|
| | Received | Positive | Negative | |
| Complement Fixation | 2,247 | 26 | 2,221 | 2,247 |
| Hemagglutination-Inhibition (PHA, LA) | 286 | 2 | 284 | 286 |
| Hepatitis B Surface Antigen (RPHA, EIA) | 0 | 0 | 0 | 0 |
| Rubella (EIA-Diagnostic) | 203 | 0 | 203 | 203 |
| Rubella (EIA-Screening) | 366 | * | * | 366 |
| TOTAL | 3,102 | 28 | 2,708 | 3,102 |
| Rabies (FRA) | 26 | 0 | 26 | 26 |

VIRAL AND RICKETTSIAL POSITIVES a/

| Complement Fixation Antigens: | NUMBER OF POSITIVES a/ |
|---|---|
| Chlamydia | 3 |
| Herpesvirus hominis Type 1 | 4 |
| Measles | 17 |
| Varicella-Zoster | 3 |
| **Hemagglutination-Inhibition Antigens:** | |
| Influenza B/Singapore/222/79 | 1 |
| Rubella | 1 |

* Screening test for Rubella, Positive and Negative Terminology not applicable in this context.

a/ Paired sera showing four-fold or greater rise in antibody titer.

# PUBLIC HEALTH NURSING BRANCH

## SUMMARY

Primary prevention and health promotion are the foundation of public health nursing practice. To accomplish this goal, public health nurses provide generalized comprehensive, and coordinated nursing services to individuals, families and groups at their place of residence, in private and parochial schools, care homes, day care centers, clinics, work sites, and community facilities. The nursing staff participates actively and collaboratively as members of multidisciplinary health care teams to meet the consumers' health needs. As public health nurses provide nursing care in the community, their foremost concern is the attainment and maintenance of optimal health states of Hawaii's residents.

Table 1 shows the number of cases served and the total visits made statewide. Over the past year, we have seen a 4.9% decrease in caseload - from 33,841 to 32,170 cases. Case increases continue to be noted in infant and preschool children and other communicable disease categories with decreases in all other service programs. Visits decreased by 7.1% from 117,105 to 108,788 visits. Unlike the caseload data, visit increases have been noted in maternity, infant and preschool child health, mentally retarded, other communicable disease, and all other categories. The other service program categories decreased in the number of Public Health Nurse visitations. More visits per case were made to those with disabilities and/or pathological conditions over those who received Health Guidance services only. Outbreaks of pertussis and measles during the year also accounted for increase in visits.

Table 2 represents the type of clinic, the number of clinics, and the total number of clinic attendance statewide. There was a 5.8% decrease in the number of clinic sessions over the past year from 4,650 to 4,382 sessions. The clinic attendance, however, increased by 5.7% from 94,822 to 100,200. Attendance at these clinics is arranged to provide clients the opportunity to receive in-depth consultation and education services.

Table 3 shows public health nursing services provided to private and parochial schools and home visits made to school age children. There was an increase in school visits by 34.3% from 1,214 visits to 1,631 visits over the past year. Home visits to school age children decreased by 23.7% from 11,709 to 8,936.

Table 4 shows the visits made to preschool age children. Data shows that 37% of all home visits are primarily for this age group. Clinic data displayed on Table 2, likewise, shows 45.5% of all clinic sessions to be for well-children services.

Table 5 displays the number of visits made to care homes and home visits to those age 60 years and over. As the aged population increases, nursing intervention services will show a concomitant increase in the future.

Table 6 provides Child Health Conference data by type of clinic, number of sessions, and attendance by counties and state. There was a decrease of 12.5% in clinic sessions from 2,282 in 1983 to 1,996 in 1984. The attendance, however, remained essentially unchanged from the previous year.

TABLE 1

CASES ADMITTED TO PUBLIC HEALTH NURSING SERVICE AND VISITS MADE BY COUNTY

STATE OF HAWAII

FISCAL YEAR 1983-84

| Type of Nursing Service | State | | Honolulu | | Hawaii | | Kauai | | Maui | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cases a/ | Visits b/ | Cases a/ | Visits b/ | Cases a/ | Visits b/ | Cases a/ | Visits b/ | Cases a/ | Visits b/ |
| Maternity | 912 | 2,600 | 579 | 2,005 | 103 | 195 | 164 | 220 | 66 | 180 |
| Infant & Preschool Child Health | 14,518 | 46,288 | 8,709 | 33,455 | 2,738 | 5,619 | 848 | 1,925 | 2,223 | 5,289 |
| School Age Child c/ | 1,713 | 4,703 | 1,129 | 3,328 | 181 | 449 | 125 | 301 | 278 | 625 |
| Adult Health | 3,482 | 6,833 | 2,286 | 4,845 | 89 | 358 | 813 | 1,000 | 294 | 630 |
| Tuberculosis d/ | 6,471 | 18,678 | 3,472 | 7,524 | 860 | 3,610 | 610 | 2,241 | 1,529 | 5,303 |
| Other Communicable Disease d/ | 683 | 1,788 | 159 | 528 | 212 | 443 | 29 | 211 | 283 | 606 |
| Mentally Retarded | 99 | 810 | 86 | 721 | 5 | 18 | 1 | 3 | 7 | 68 |
| Other Developmental Disabilities | 688 | 5,676 | 458 | 3,946 | 105 | 958 | 13 | 124 | 112 | 648 |
| Other Crippled Children | 1,116 | 9,256 | 600 | 5,992 | 312 | 1,650 | 59 | 522 | 145 | 1,092 |
| Chronic Diseases | 2,030 | 8,433 | 1,374 | 5,017 | 175 | 1,245 | 108 | 401 | 373 | 1,770 |
| Emotional Problems | 348 | 1,162 | 304 | 936 | 18 | 129 | 6 | 37 | 20 | 60 |
| All Others | 110 | 510 | 86 | 364 | 13 | 94 | - | - | 11 | 52 |
| Not Home/Not Found | | 2,051 | | 1,713 | | 172 | - | - | | 166 |
| TOTALS | 32,170 | 108,788 | 19,242 | 70,374 | 4,811 | 14,940 | 2,776 | 6,985 | 5,341 | 16,489 |

a/ Cases: Individuals admitted to nursing service for a particular condition.
b/ Visits: Personal contacts with health content.
c/ Health Guidance Only. Excludes visits to school children in other diagnostic categories.
d/ Includes diagnosed cases and contacts.

TABLE 2

CLINICS CONDUCTED BY PUBLIC HEALTH NURSING SERVICE BY TYPE OF CLINIC, NUMBER OF SESSIONS AND ATTENDANCE BY COUNTY

STATE OF HAWAII

FISCAL YEAR 1983-84

| Type of Clinic | State | | Honolulu | | Hawaii | | Kauai | | Maui | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Session | Attendance | Session | Attendance | Session | Attendance | Session | Attendance | Session | Attendance |
| Well Child | 1,996 | 22,442 | 950 | 12,718 | 618 | 5,141 | 133 | 1,268 | 295 | 3,315 |
| Adult Health | 508 | 6,977 | 259 | 5,204 | 20 | 207 | 224 | 1,494 | 5 | 72 |
| Cardiac a/ | 24 | 260 | 4 | 36 | 12 | 150 | 3 | 37 | 5 | 37 |
| Child Development - LD | 1 | 10 | 1 | 10 | - | - | - | - | - | - |
| Neurology a/ | 13 | 54 | - | - | 11 | 43 | - | - | 2 | 11 |
| Orthopedic a/ | 9 | 124 | - | - | 7 | 95 | - | - | 2 | 29 |
| Otologic - Speech & Hearing a/ | 5 | 59 | - | - | - | - | - | - | 5 | 59 |
| Other Crippled Children including Pediatric a/ | 5 | 31 | - | - | 3 | 15 | 1 | 11 | 1 | 5 |
| Tuberculosis b/ | 1,555 | 62,212 | 803 | 42,438 | 296 | 6,801 | 194 | 4,971 | 262 | 8,002 |
| Other Communicable Disease | 3 | 58 | - | - | 2 | 14 | - | - | 1 | 44 |
| Immunization | 75 | 4,654 | 22 | 1,515 | 29 | 881 | 21 | 1,313 | 3 | 945 |
| Leprosy | 15 | 279 | - | - | 10 | 128 | 1 | 17 | 4 | 134 |
| Others | 173 | 3,040 | 49 | 541 | 16 | 74 | 20 | 174 | 88 | 2,251 |
| TOTALS | 4,382 | 100,200 | 2,088 | 62,462 | 1,024 | 13,549 | 597 | 9,285 | 673 | 14,904 |

a/ See Crippled Children Branch data
b/ This does not include Honolulu Chest Clinic

TABLE 3
PUBLIC HEALTH NURSING SERVICE TO SCHOOLS BY COUNTY a/
STATE OF HAWAII
FISCAL YEAR 1983-84

| Type of School Health Program | State | Honolulu | Hawaii | Kauai | Maui |
|---|---|---|---|---|---|
| Visits to Schools b/ | 1,631 | 1,443 | 67 | 73 | 48 |
| Visits Made to School Age Children | 8,936 | 4,855 | 1,653 | 561 | 1,867 |
| TOTALS | 10,567 | 6,298 | 1,720 | 634 | 1,915 |

a/ Excludes Public Schools
b/ All diagnostic categories

TABLE 4
PUBLIC HEALTH NURSING SERVICE TO DAY CARE CENTERS BY COUNTY
STATE OF HAWAII
FISCAL YEAR 1983-84

| Type of Day Care Program | State | Honolulu | Hawaii | Kauai | Maui |
|---|---|---|---|---|---|
| Visits to Day Care Centers* | 444 | 275 | 56 | 13 | 100 |
| Visits Made to Preschool Age Children | 40,273 | 30,970 | 4,241 | 1,220 | 3,842 |
| TOTALS | 40,717 | 31,245 | 4,297 | 1,233 | 3,942 |

*All diagnostic categories

TABLE 5

PUBLIC HEALTH NURSING SERVICE TO CARE HOMES BY COUNTY

STATE OF HAWAII

FISCAL YEAR 1983-84

| Type of Care Home Program | State | Honolulu | Hawaii | Kauai | Maui |
|---|---|---|---|---|---|
| Visits to Care Home* | 462 | 336 | 28 | 31 | 67 |
| Visits Made to Elderly Over 60 | 13,360 | 7,399 | 1,861 | 1,929 | 2,171 |
| TOTALS | 13,822 | 7,735 | 1,889 | 1,960 | 2,238 |

*All diagnostic categories

TABLE 6

CHILD HEALTH CONFERENCES CONDUCTED BY PUBLIC HEALTH NURSING SERVICE BY CLINIC, NUMBER OF SESSIONS AND ATTENDANCE BY COUNTY

STATE OF HAWAII

FISCAL YEAR 1983-84

| Type of Conference | State | | Honolulu | | Hawaii | | Kauai | | Maui | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Session | Attendance | Session | Attendance | Session | Attendance | Session | Attendance | Session | Attendance |
| Medical | 408 | 6,873 | 280 | 4,715 | 80 | 1,396 | 14 | 306 | 34 | 456 |
| Nursing | 1,588 | 15,569 | 670 | 8,003 | 538 | 3,745 | 119 | 962 | 261 | 2,859 |
| TOTALS | 1,996 | 22,442 | 950 | 12,718 | 618 | 5,141 | 133 | 1,268 | 295 | 3,315 |

## SUMMARY

To reduce the risk of disease associated with diet through education, early detection of nutritional problems and intervention is the goal of the Nutrition Branch. Nutrition is one of the key factors in the promotion of health, in the prevention of disease and in improving the quality of life.

Three major categories of services are provided by the Nutrition Branch:

1) nutrition education for the public,
2) consultations to agencies and individuals and inspections of hospitals and other facilities, and
3) nutrition screening and assessment.

Emphasis is placed on preventive aspects of nutrition. Accurate, up-to-date nutrition information is provided through pamphlets, newsletters and news articles, talks to community and student groups, workshops, exhibits at health fairs, T.V. and radio programs, and telephone calls. There was a decrease in the numbers reached through nutrition education from the previous year due to budgetary constraints and vacant Public Health Nutritionist positions.

Nutrition consultations and direct services are provided to other programs within the department, other governmental agencies, community groups, professionals and the general public. The Public Health Nutritionists provide consultation and licensure services to hospitals, skilled nursing and intermediate care facilities, special treatment facilities and care homes to assist them in meeting dietary standards according to State and Federal regulations.

The Special Supplemental Food Program for Women, Infants and Children (WIC Program) funded by the United States Department of Agriculture is administered by the Nutrition Branch. Nutrition screening and assessment, nutrition education and nutritious food are provided to low income pregnant women, nursing mothers, infants and children up to age 5, who are at nutritional risk. In 1984 the WIC Program provided food vouchers to an average of 5372 participants each month. Nutrition assessment and diet counseling is ongoing and the total number reached was 43,914.

TABLE 1
NUTRITION BRANCH SERVICES
STATE OF HAWAII: 1984

| Type of Nutrition Service | Number of Sessions | Number Reached or Participants |
|---|---|---|
| **Nutrition Education** | | |
| Talks to community groups | 55 | 1,015 |
| Talks to students | 34 | 904 |
| Talks to senior citizens groups | 12 | 313 |
| Department of Health groups | 15 | 61 |
| Workshops | 31 | 658 |
| Radio and TV | 16 | --- |
| Health Fairs | 18 | --- |
| Nutrition Branch leaflets and booklets | | 115,626 |
| Newsletters | | 2,478 |

| Consultations and Inspections | Number |
|---|---|
| Care Homes | |
| Inspections | 282 |
| Consultations and Visits | 156 |
| Hospitals, Skilled Nursing Facilities and Intermediate Care Facilities | |
| Medicare Certifications | 40 |
| Consultations | 26 |
| Special Treatment Facilities | |
| Inspections | 13 |
| Consultations and Visits | 8 |
| Day Care Centers | |
| Consultations | 23 |
| Other Agencies and Individuals | |
| Consultations | 1,900 |
| Department of Health | |
| Consultations | 209 |

| Nutrition Assessment & Diet Counseling | Number Reached |
|---|---|
| Special Supplemental Food Program for Women, Infants and Children (WIC) | 43,914* |

*Participants receive nutrition assessment and diet counseling three or more times a year

# MENTAL HEALTH DIVISION

# MENTAL HEALTH DIVISION

The Mental Health Division provides both inpatient and outpatient services for a wide range of problems affecting disparate populations. The utilization patterns of services provide significant leads to understanding the nature, severity, and determinants of mental illness. Figure 1 displays the trends in various categories of patients; actives, admissions, terminations, and unduplicated counts.

It is important to note that prior annual statistical data was summarized by calendar year. The tables in this year's statistical report are summarized by fiscal year. This is a one time change necessitated by database conversion which is in progress from the batch oriented Multi-State Information System (MSIS) to the online, network oriented Mental Health Field Assessment and Statistical Information System (MFASIS).

The format of the tables in the following summary for fiscal year 1984 is different from that of the published reports for calendar years 1974-1981 but the same as for the 1982 and 1983 reports. The reader may refer to the 1974-1981 reports for examination of demographic statistical information related to diagnosis, and to the 1982 through 1984 reports for demographic information related to problems on admission.

Tables 1, 1A, and 1B represent the total patients in treatment as of the end of the year by age and problems on admission.

Table 2 represents a breakdown of division of services (inpatient versus outpatient) by location of patient residence. These figures represent a population-based utilization of mental health services by catchment area.

Table 3A and 3B are both further explications of this inpatient/outpatient breakdown by age and problems on admission. The usual relatively large proportion of severely ill patients are treated in an inpatient setting.

Tables 4, 5, and 6 display figures on admissions to the total State program and to the various service areas for the entire year. These figures represent the incidence of cases over a period of time. The breakdown is by problems on admission, age, ethnicity, catchment area, and source of referral. Combined with past report tables, these tables provide information on trends in the types of problems that are occurring, their frequency of occurrence, and characteristics of people who have these problems.

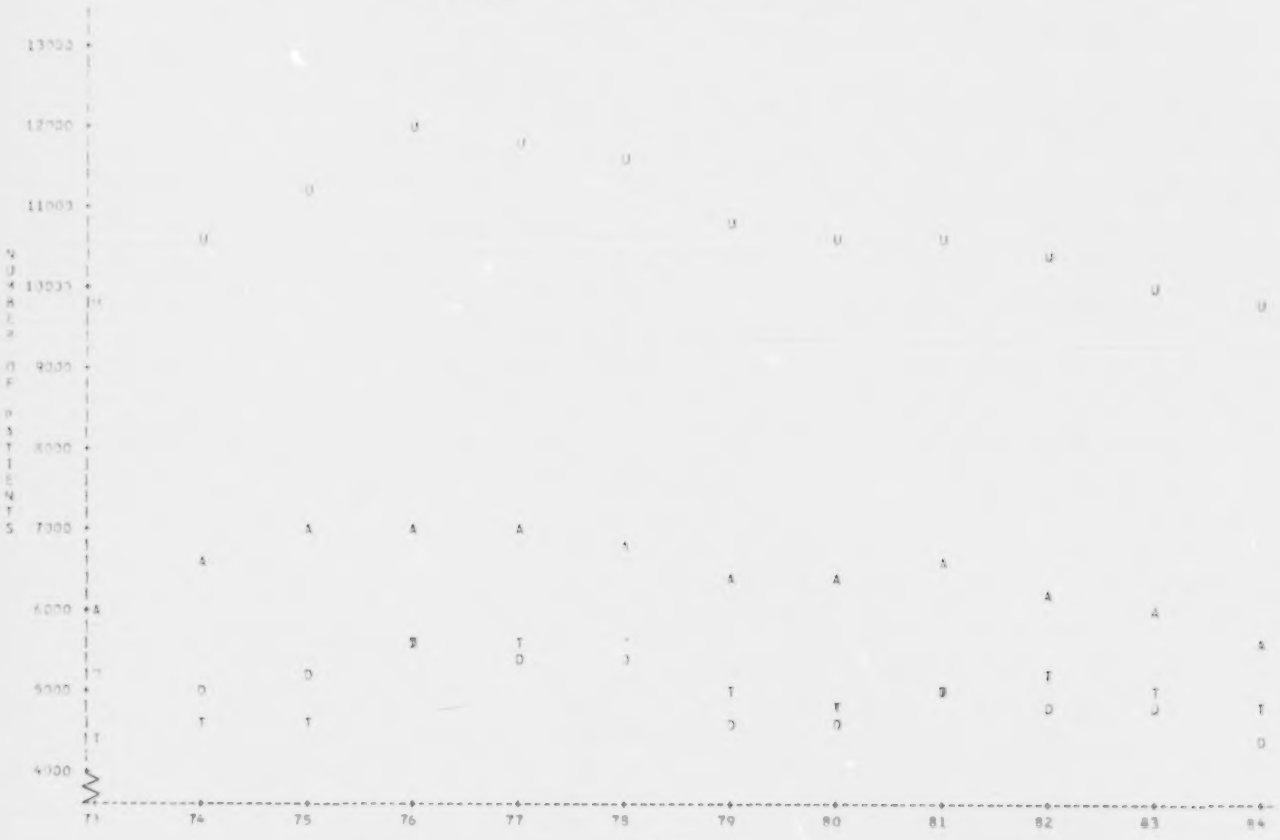
Table 7 shows unduplicated total admissions for the year broken down by ethnicity and problems on admission. The mean age on admission for each ethnic group having a particular problem is included. Tables 7A and 7B show the same data for males and females, respectively.

Table 8 represents terminations during the year by age and problems on admission. Table 9 displays terminations during the year for geographic and service delivery units by dispositions on termination.

Table 10 represents an unduplicated count of patients served in all facilities by problems on admission and current or termination age during the period July, 1983 through June, 1984.

FIGURE 1. MENTAL HEALTH DIVISION MOVEMENT SUMMARY, 1973-1984

U=UNDUPLICATED COUNT OF PATIENTS SERVED
A=ACTIVES D=ADMISSIONS T=TERMINATIONS




| | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unduplicated Count of Patients Served | 9851 | 10522 | 11101 | 11935 | 11806 | 11642 | 10713 | 10625 | 10689 | 10312 | 9970 | 9724 |
| Actives | 6052 | 6500 | 7090 | 6979 | 6905 | 6886 | 6392 | 6328 | 6642 | 6287 | 6022 | 5692 |
| Admissions | 5220 | 5073 | 5233 | 5533 | 5453 | 5441 | 4564 | 4696 | 4947 | 4885 | 4761 | 4307 |
| Terminations | 4368 | 4618 | 4633 | 5684 | 5529 | 5522 | 5057 | 4759 | 5062 | 5155 | 5030 | 4887 |

*For the Fiscal Year 1984 (7/1/83 to 6/30/84).

TABLE 1

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

SEX = TOTAL

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 5692 | 11 | 208 | 389 | 205 | 125 | 593 | 1567 | 1104 | 609 | 507 | 374 |
| SLEEP PROBLEMS* | 1376 | 3 | 18 | 16 | 18 | 21 | 131 | 450 | 317 | 186 | 132 | 84 |
| EATING PROBLEMS | 616 | 1 | 8 | 16 | 3 | 7 | 69 | 199 | 137 | 93 | 53 | 30 |
| ENURESIS, SOILING | 92 | 3 | 30 | 28 | 2 | | 1 | 5 | 5 | 4 | 4 | 10 |
| SEIZURES, CONVULSION | 66 | 1 | 4 | 3 | 4 | 2 | 10 | 23 | 19 | 6 | 8 | 6 |
| SPEECH PROBLEMS | 192 | 1 | 22 | 23 | 10 | 7 | 17 | 34 | 27 | 20 | 17 | 14 |
| OTHER PHYSICAL PROB | 830 | 2 | 21 | 24 | 10 | 19 | 72 | 224 | 188 | 111 | 77 | 82 |
| INADEQUATE INTELLECT | 276 | 2 | 31 | 42 | 23 | 16 | 29 | 55 | 38 | 20 | 13 | 7 |
| SOCIAL PRB WITH CHILD | 654 | 3 | 124 | 201 | 80 | 27 | 30 | 135 | 126 | 66 | 37 | 25 |
| SOCIAL PRB WITH* MATE | 1644 | 7 | 93 | 162 | 102 | 43 | 144 | 488 | 344 | 150 | 74 | 37 |
| SOCIAL PRB OTHR FAMLY | 1143 | 6 | 62 | 127 | 75 | 45 | 158 | 318 | 164 | 86 | 59 | 43 |
| SOCIAL PRB OTHR PEOPL | 2020 | 4 | 73 | 139 | 67 | 47 | 302 | 648 | 410 | 160 | 109 | 61 |
| JOB IMPAIRMENT | 1604 | 2 | 64 | 134 | 69 | 41 | 187 | 515 | 364 | 125 | 83 | 20 |
| SCHOOL IMPAIRMENT | 793 | 3 | 138 | 277 | 132 | 57 | 70 | 80 | 25 | 8 | 1 | 2 |
| HOUSEKEEP IMPAIRMENT | 579 | 2 | 26 | 48 | 32 | 14 | 30 | 118 | 113 | 91 | 61 | 44 |
| SUICIDAL THOUGHTS | 699 | | 5 | 8 | 17 | 20 | 103 | 247 | 171 | 62 | 46 | 20 |
| SUICIDE GE-STURE ACT | 263 | | | 5 | 14 | 13 | 62 | 83 | 45 | 22 | 11 | 8 |
| ANXIETY PHOBIAS | 1387 | 1 | 39 | 65 | 32 | 21 | 135 | 465 | 302 | 167 | 113 | 47 |
| OBSESSIONS COMPULSION | 300 | | 1 | 9 | 4 | 8 | 36 | 94 | 75 | 35 | 24 | 14 |
| DEPRESSION INFERIORTY | 2258 | | 36 | 93 | 64 | 51 | 244 | 754 | 505 | 258 | 158 | 95 |
| HYPOCHON-DRIAS | 366 | | 6 | 7 | 2 | 6 | 27 | 95 | 88 | 64 | 46 | 25 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 1 (CONT'D.)

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

SEX = TOTAL

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 1117 | | 28 | 51 | 36 | 25 | 119 | 360 | 224 | 113 | 97 | 64 |
| DEPENDENCY CLINGING | 535 | 4 | 18 | 27 | 8 | 8 | 67 | 189 | 104 | 58 | 36 | 16 |
| GRANDIOSI-TY | 255 | | 3 | 4 | 3 | 3 | 29 | 80 | 72 | 31 | 22 | 8 |
| SUSPICION PERSECUTIN | 731 | | 4 | 7 | 10 | 11 | 64 | 265 | 174 | 85 | 68 | 43 |
| DELUSIONS | 601 | | | | 3 | 12 | 65 | 190 | 159 | 73 | 66 | 33 |
| HALLUCI-NATIONS | 696 | | 1 | 2 | 8 | 12 | 90 | 246 | 164 | 74 | 67 | 32 |
| ANGER, NEGATIVISM | 1549 | 2 | 74 | 152 | 72 | 40 | 220 | 452 | 295 | 121 | 69 | 52 |
| ASSAULTIVE ACTS | 789 | 2 | 33 | 34 | 29 | 22 | 164 | 260 | 144 | 51 | 29 | 21 |
| ALCOHOL ABUSE | 771 | | | 1 | 7 | 14 | 157 | 307 | 166 | 65 | 40 | 14 |
| SEXUAL PROBLEMS | 335 | | 1 | 5 | 14 | 8 | 53 | 138 | 70 | 27 | 12 | 7 |
| NARCOTICS, OTHR DRUGS | 699 | | | 4 | 12 | 21 | 200 | 330 | 106 | 20 | 4 | 2 |
| ANTI-SOCIAL | 853 | | 8 | 36 | 44 | 33 | 215 | 319 | 144 | 33 | 16 | 5 |
| AGITATION, HYPERACTIV | 809 | 1 | 71 | 86 | 16 | 13 | 78 | 217 | 151 | 76 | 63 | 36 |
| DISORIENTD MEMORY PRB | 396 | | 5 | 5 | 3 | 5 | 41 | 104 | 74 | 40 | 47 | 72 |
| SPEECH DIS-ORGANIZED | 266 | | 5 | 7 | | 3 | 27 | 75 | 63 | 40 | 23 | 23 |
| SLOWED UP NO EMOTION | 470 | | 7 | 11 | 9 | 8 | 61 | 164 | 98 | 41 | 33 | 38 |
| INAPPROPRI-ATENESS | 685 | | 7 | 14 | 15 | 10 | 77 | 237 | 151 | 78 | 65 | 31 |
| ROUTINE IMPAIRED | 1224 | | 16 | 21 | 16 | 28 | 163 | 409 | 280 | 129 | 99 | 63 |
| MISSING | 693 | | | 1 | 5 | 3 | 8 | 59 | 118 | 155 | 183 | 161 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 14

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

SEX = MALE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 3292 | 7 | 155 | 260 | 129 | 81 | 419 | 942 | 634 | 283 | 201 | 181 |
| SLEEP PROBLEMS* | 653 | 3 | 14 | 11 | 11 | 11 | 77 | 228 | 160 | 69 | 41 | 28 |
| EATING PROBLEMS | 247 | 1 | 6 | 11 | 3 | 3 | 31 | 85 | 50 | 33 | 15 | * |
| ENURESIS, SOILING | 65 | 2 | 24 | 26 | 2 | | 1 | 3 | 2 | 1 | | * |
| SEIZURES, CONVULSION | 52 | 1 | 2 | 1 | 3 | 1 | 6 | 14 | 13 | 4 | 4 | 3 |
| SPEECH PROBLEMS | 130 | 1 | 17 | 16 | 8 | 4 | 16 | 23 | 16 | 13 | 9 | 7 |
| OTHER PHYSICAL PROB | 392 | 2 | 19 | 16 | 8 | 8 | 36 | 105 | 92 | 46 | 27 | 33 |
| INADEQUATE INTELLECT | 191 | 2 | 25 | 27 | 17 | 10 | 23 | 44 | 21 | 11 | 6 | 5 |
| SOCIAL PRB WITH CHILD | 436 | 3 | 100 | 143 | 54 | 16 | 16 | 37 | 41 | 14 | 5 | 7 |
| SOCIAL PRB WITH* MATE | 819 | 4 | 70 | 107 | 57 | 28 | 87 | 204 | 161 | 80 | 24 | 17 |
| SOCIAL PRB OTHR FAMLY | 665 | 3 | 46 | 93 | 48 | 28 | 103 | 171 | 85 | 30 | 20 | 18 |
| SOCIAL PRB OTHR PEOPL | 1333 | 3 | 59 | 100 | 45 | 36 | 228 | 442 | 257 | 82 | 50 | 29 |
| JOB IMPAIRMENT | 1030 | 2 | 49 | 103 | 41 | 24 | 135 | 340 | 225 | 59 | 42 | 10 |
| SCHOOL IMPAIRMENT | 580 | 2 | 111 | 214 | 91 | 40 | 49 | 52 | 15 | 4 | 1 | 1 |
| HOUSEKEEP IMPAIRMENT | 170 | 1 | 22 | 31 | 11 | 7 | 13 | 29 | 25 | 14 | 5 | 12 |
| SUICIDAL THOUGHTS | 355 | | 4 | 4 | 9 | 13 | 58 | 126 | 89 | 22 | 19 | 11 |
| SUICIDE GE-STURE ACT | 126 | | | 2 | 3 | 7 | 38 | 46 | 18 | 6 | 4 | 2 |
| ANXIETY PHOBIAS | 612 | 1 | 29 | 35 | 20 | 11 | 75 | 209 | 131 | 56 | 32 | 13 |
| OBSESSIONS COMPULSION | 157 | | 1 | 4 | 3 | 5 | 20 | 49 | 45 | 16 | 8 | 6 |
| DEPRESSION INFERIORTY | 1026 | | 24 | 56 | 29 | 29 | 132 | 337 | 245 | 95 | 53 | 29 |
| HYPOCHONDRIAS | 163 | | 5 | 5 | | 6 | 8 | 49 | 44 | 27 | 15 | 4 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 1A (CONT'D.)

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

SEX = MALE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 618 | | 32 | 29 | 21 | 16 | 32 | 198 | 135 | 50 | 43 | 22 |
| DEPENDENCY CLINGING | 247 | 4 | 13 | 18 | 4 | 4 | 40 | 79 | 50 | 22 | 10 | 3 |
| GRANDIOSI-TY | 172 | | 3 | 3 | 2 | 3 | 21 | 59 | 49 | 18 | 9 | 5 |
| SUSPICION PERSECUTIN | 450 | | 4 | 3 | 7 | 9 | 50 | 132 | 112 | 30 | 29 | 16 |
| DELUSIONS | 367 | | | | 3 | 4 | 52 | 137 | 102 | 31 | 23 | 10 |
| HALLUCI-NATIONS | 422 | | 1 | 1 | 5 | 8 | 73 | 174 | 99 | 24 | 27 | 10 |
| ANGER, NEGATIVISM | 1018 | 1 | 59 | 110 | 45 | 25 | 164 | 314 | 179 | 69 | 23 | 29 |
| ASSAULTIVE ACTS | 656 | 1 | 26 | 26 | 20 | 20 | 151 | 221 | 123 | 36 | 15 | 17 |
| ALCOHOL ABUSE | 615 | | | 1 | 5 | 12 | 147 | 231 | 134 | 47 | 28 | 10 |
| SEXUAL PROBLEMS | 218 | | | 4 | 7 | 5 | 41 | 64 | 43 | 19 | 9 | 6 |
| NARCOTICS, OTHR DRUGS | 591 | | | 3 | 7 | 15 | 185 | 271 | 93 | 15 | 2 | |
| ANTI-SOCIAL | 736 | | 7 | 29 | 35 | 28 | 199 | 280 | 118 | 28 | 11 | 1 |
| AGITATION, HYPERACTIV | 522 | 1 | 59 | 77 | 15 | 10 | 59 | 140 | 88 | 33 | 24 | 16 |
| DISORIENTD MEMORY PRB | 227 | | 5 | 4 | 3 | 3 | 29 | 69 | 41 | 18 | 24 | 31 |
| SPEECH DIS-ORGANIZED | 170 | | 4 | 2 | | 1 | 24 | 58 | 42 | 20 | 9 | 10 |
| SLOWED UP NO EMOTION | 283 | | 5 | 5 | 4 | 6 | 47 | 104 | 53 | 21 | 17 | 21 |
| INAPPROPRI-ATENESS | 407 | | 7 | 8 | 12 | 7 | 56 | 153 | 90 | 36 | 21 | 11 |
| ROUTINE IMPAIRED | 715 | | 15 | 14 | 9 | 20 | 118 | 252 | 165 | 62 | 35 | 25 |
| MISSING | 357 | | | | 4 | 3 | 6 | 42 | 74 | 74 | 78 | 76 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 18

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

SEX = FEMALE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 2400 | 4 | 53 | 109 | 76 | 44 | 174 | 625 | 470 | 326 | 370 | 213 |
| SLEEP PROBLEMS* | 723 | | 4 | 5 | 7 | 10 | 54 | 222 | 157 | 117 | 91 | 56 |
| EATING PROBLEMS | 369 | | 2 | 5 | | 4 | 38 | 114 | 87 | 60 | 38 | 21 |
| ENURESIS, SOILING | 27 | 1 | 6 | 2 | | | | 2 | 3 | 3 | 4 | 6 |
| SEIZURES, CONVULSION | 34 | | 2 | 2 | 1 | 1 | 4 | 9 | 6 | 2 | 4 | 3 |
| SPEECH PROBLEMS | 62 | | 5 | 7 | 2 | 3 | 1 | 11 | 11 | 7 | 8 | 7 |
| OTHER PHYSICAL PROB | 438 | | 2 | 8 | 2 | 11 | 36 | 119 | 96 | 65 | 50 | 49 |
| INADEQUATE INTELLECT | 85 | | 6 | 15 | 6 | 6 | 6 | 11 | 17 | 9 | 7 | 2 |
| SOCIAL PRB WITH CHILD | 418 | | 24 | 58 | 26 | 11 | 14 | 96 | 85 | 52 | 32 | 18 |
| SOCIAL PRB WITH* MATE | 825 | 3 | 23 | 55 | 45 | 15 | 57 | 284 | 183 | 90 | 53 | 20 |
| SOCIAL PRB OTHR FAMLY | 478 | 3 | 16 | 34 | 27 | 17 | 55 | 127 | 79 | 56 | 37 | 23 |
| SOCIAL PRB OTHR PEOPL | 687 | 1 | 14 | 33 | 22 | 11 | 74 | 206 | 153 | 78 | 54 | 36 |
| JOB IMPAIRMENT | 574 | | 15 | 31 | 28 | 17 | 52 | 175 | 139 | 66 | 41 | 10 |
| SCHOOL IMPAIRMENT | 213 | 1 | 27 | 63 | 41 | 17 | 21 | 28 | 10 | 4 | | 1 |
| HOUSEKEEP IMPAIRMENT | 409 | 1 | 4 | 17 | 21 | 7 | 17 | 89 | 88 | 77 | 56 | 32 |
| SUICIDAL THOUGHTS | 344 | | 1 | 4 | 8 | 7 | 45 | 121 | 82 | 40 | 27 | 9 |
| SUICIDE GESTURE ACT | 137 | | | 3 | 11 | 6 | 24 | 37 | 27 | 16 | 7 | 6 |
| ANXIETY PHOBIAS | 775 | | 10 | 30 | 12 | 10 | 60 | 256 | 171 | 111 | 81 | 34 |
| OBSESSIONS COMPULSION | 143 | | | 5 | 1 | 3 | 16 | 45 | 30 | 19 | 16 | 8 |
| DEPRESSION INFERIORTY | 1232 | | 12 | 37 | 35 | 22 | 112 | 417 | 260 | 163 | 108 | 66 |
| HYPOCHONDRIAS | 203 | | 1 | 2 | 2 | | 19 | 46 | 44 | 37 | 31 | 21 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 18 (CONT'D.)

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

SEX = FEMALE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 499 | | 6 | 22 | 15 | 9 | 37 | 162 | 89 | 63 | 54 | 42 |
| DEPENDENCY CLINGING | 288 | | 5 | 9 | 4 | 4 | 27 | 110 | 54 | 36 | 26 | 13 |
| GRANDIOSI-TY | 83 | | | 1 | 1 | | 8 | 21 | 23 | 13 | 13 | 3 |
| SUSPICION PERSECUTIN | 281 | | | 4 | 3 | 2 | 14 | 83 | 62 | 47 | 39 | 27 |
| DELUSIONS | 234 | | | | | 3 | 13 | 53 | 57 | 42 | 43 | 23 |
| HALLUCI-NATIONS | 274 | | | 1 | 3 | 4 | 17 | 72 | 65 | 50 | 40 | 22 |
| ANGER, NEGATIVISM | 531 | 1 | 15 | 42 | 27 | 15 | 56 | 138 | 116 | 52 | 46 | 23 |
| ASSAULTIVE ACTS | 133 | 1 | 7 | 8 | 9 | 2 | 13 | 39 | 21 | 15 | 14 | 4 |
| ALCOHOL ABUSE | 156 | | | | 2 | 2 | 10 | 76 | 32 | 18 | 12 | 4 |
| SEXUAL PROBLEMS | 117 | | 1 | 1 | 7 | 3 | 12 | 54 | 27 | 8 | 3 | 1 |
| NARCOTICS, OTHR DRUGS | 108 | | | 1 | 5 | 6 | 15 | 59 | 13 | 5 | 2 | 2 |
| ANTI-SOCIAL | 117 | | 1 | 7 | 9 | 5 | 16 | 39 | 26 | 5 | 5 | 4 |
| AGITATION, HYPERACTIV | 286 | | 12 | 9 | 1 | 3 | 19 | 77 | 63 | 43 | 39 | 20 |
| DISOPIENTD MEMORY PRB | 169 | | | 1 | | 2 | 12 | 35 | 33 | 22 | 23 | 41 |
| SPEECH DIS -ORGANIZED | 96 | | 1 | 5 | | 2 | 3 | 17 | 21 | 20 | 14 | 13 |
| SLOWED UP NO EMOTION | 187 | | 2 | 6 | 5 | 2 | 14 | 60 | 45 | 20 | 16 | 17 |
| INAPPROPRI -ATENESS | 278 | | | 6 | 3 | 3 | 21 | 79 | 61 | 42 | 44 | 19 |
| ROUTINE IMPAIRED | 509 | | 1 | 7 | 7 | 8 | 45 | 157 | 115 | 67 | 64 | 38 |
| MISSING | 336 | | | 1 | 1 | | 2 | 17 | 44 | 81 | 105 | 85 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 2

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY CATCHMENT AREA AND TYPE OF CARE

CATCHMENT AREA BY TYPE OF CARE

| | TOTAL | DIAMOND HEAD | KALIHI-PALAMA | CENTRAL OAHU | WINDWARD | LEEWARD | EAST HAWAII | WEST HAWAII | MAUI | KAUAI | OTHER | UNKNOWN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 5692 | 564 | 621 | 429 | 479 | 483 | 653 | 499 | 440 | 345 | 725 | 454 |
| INPATIENT CARE | 337 | 46 | 42 | 22 | 21 | 21 | 15 | 8 | 19 | 23 | 113 | 7 |
| OUT-PATIENT | 5355 | 518 | 579 | 407 | 458 | 462 | 638 | 491 | 421 | 322 | 612 | 447 |

TABLE 34

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

TYPE OF CARE = INPATIENT CARE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 337 | | 5 | 9 | 15 | 9 | 36 | 121 | 68 | 34 | 30 | 10 |
| SLEEP PROBLEMS* | 74 | | 1 | | 4 | 4 | 10 | 19 | 16 | 9 | 9 | 2 |
| EATING PROBLEMS | 20 | | 1 | | 1 | 1 | 4 | 4 | 3 | 3 | 3 | |
| ENURESIS, SOILING | 5 | | 2 | | | | | | 1 | 1 | | 1 |
| SEIZURES, CONVULSION | 9 | | | | 1 | | | 4 | 2 | | 2 | |
| SPEECH PROBLEMS | 16 | | 1 | 1 | | | | 2 | 6 | | 5 | 1 |
| OTHER PHY-SICAL PROB | 30 | | | | 1 | | 4 | 7 | 7 | 4 | 3 | 4 |
| INADEQUATE INTELLECT | 14 | | | 2 | 2 | | 1 | 5 | 1 | 2 | 1 | |
| SOCIAL PRB WITH CHILD | 26 | | 4 | 6 | 4 | | | 6 | 2 | | 2 | 2 |
| SOCIAL PRB WITH* MATE | 57 | | 5 | 7 | 6 | 5 | 7 | 12 | 8 | 6 | 8 | 1 |
| SOCIAL PRB OTHR FAMLY | 60 | | 3 | 4 | 8 | 2 | 6 | 18 | 9 | 2 | 5 | 3 |
| SOCIAL PRB OTHR PEOPL | 178 | | 3 | 7 | 3 | 3 | 23 | 58 | 35 | 24 | 16 | 6 |
| JOB IMPAIRMENT | 87 | | 2 | 2 | 2 | 1 | 17 | 26 | 20 | 7 | 9 | 1 |
| SCHOOL IMPAIRMENT | 39 | | 4 | 8 | 9 | 5 | 4 | 5 | 2 | | 1 | 1 |
| HOUSEKEEP IMPAIRMENT | 36 | | 2 | 3 | 1 | 2 | 1 | 8 | 7 | 6 | 3 | 3 |
| SUICIDAL THOUGHTS | 35 | | | 1 | 3 | 3 | 4 | 15 | 2 | 4 | 3 | |
| SUICIDE GE-STURE ACT | 26 | | | 1 | 4 | 2 | 2 | 8 | | 5 | 3 | 1 |
| ANXIETY PHOBIAS | 44 | | 2 | | 1 | 1 | 8 | 16 | 7 | 5 | 3 | 1 |
| OBSESSIONS COMPULSION | 12 | | | | | | 4 | 4 | 2 | 1 | 1 | |
| DEPRESSION INFERIORTY | 87 | | 3 | 4 | 6 | 3 | 12 | 21 | 18 | 12 | 7 | 1 |
| HYPOCHON-DRIAS | 18 | | 1 | | | 1 | 1 | 6 | 6 | 3 | | |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 3A (CONT'D.)

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES -
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

TYPE OF CARE = INPATIENT CARE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 91 | | 3 | 1 | 4 | 2 | 12 | 29 | 15 | 12 | 13 | |
| DEPENDENCY CLINGING | 33 | | | 1 | | | 3 | 13 | 10 | 3 | 3 | |
| GRANDIOSI-TY | 41 | | 1 | | 1 | 1 | 4 | 10 | 16 | 3 | 5 | |
| SUSPICION PERSECUTIN | 79 | | 1 | | 1 | 1 | 11 | 35 | 14 | 8 | 7 | 1 |
| DELUSIONS | 85 | | | | 1 | 3 | 13 | 34 | 19 | 9 | 4 | 2 |
| HALLUCI-NATIONS | 104 | | | 1 | 3 | 3 | 10 | 51 | 21 | 9 | 6 | |
| ANGER, NEGATIVISM | 118 | | 3 | 5 | 5 | 5 | 15 | 31 | 25 | 14 | 10 | 5 |
| ASSAULTIVE ACTS | 88 | | 3 | 3 | 8 | 2 | 12 | 31 | 14 | 6 | 5 | 4 |
| ALCOHOL ABUSE | 52 | | | | 3 | 1 | 5 | 12 | 13 | 7 | 9 | 2 |
| SEXUAL PROBLEMS | 19 | | | | 4 | 1 | 1 | 9 | 4 | | | |
| NARCOTICS, OTHR DRUGS | 35 | | | | 1 | 1 | 12 | 16 | 4 | | | 1 |
| ANTI-SOCIAL | 75 | | 1 | 4 | 3 | 2 | 8 | 31 | 15 | 6 | 4 | |
| AGITATION, HYPERACTIV | 84 | | 3 | 2 | 2 | 2 | 11 | 24 | 19 | 9 | 11 | 1 |
| DISORIENTD MEMORY PRB | 50 | | | | | | 5 | 17 | 11 | 5 | 7 | 5 |
| SPEECH DIS-ORGANIZED | 55 | | | | | | 3 | 20 | 16 | 7 | 8 | 1 |
| SLOWED UP NO EMOTION | 45 | | | | | 1 | 8 | 20 | 8 | 3 | 5 | |
| INAPPROPRI-ATENESS | 101 | | 1 | | 2 | 3 | 14 | 38 | 20 | 9 | 12 | 2 |
| ROUTINE IMPAIRED | 72 | | 1 | 1 | 3 | 4 | 11 | 18 | 13 | 10 | 8 | 3 |
| MISSING | 17 | | | | | | 1 | 6 | 5 | 2 | 2 | 1 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 38

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

TYPE OF CARE= OUTPATIENT CARE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 5355 | 11 | 203 | 380 | 190 | 116 | 557 | 1446 | 1036 | 575 | 477 | 364 |
| SLEEP PROBLEMS* | 1302 | 3 | 17 | 16 | 14 | 17 | 121 | 431 | 301 | 177 | 123 | 82 |
| EATING PROBLEMS | 596 | 1 | 7 | 16 | 2 | 6 | 65 | 195 | 134 | 90 | 50 | 30 |
| ENURESIS, SOILING | 87 | 3 | 28 | 28 | 2 | | 1 | 5 | 4 | 3 | 4 | 9 |
| SEIZURES, CONVULSION | 77 | 1 | 4 | 3 | 3 | 2 | 10 | 19 | 17 | 6 | 6 | 6 |
| SPEECH PROBLEMS | 176 | 1 | 21 | 32 | 10 | 7 | 17 | 32 | 21 | 20 | 12 | 13 |
| OTHER PHYSICAL PROB | 800 | 2 | 21 | 24 | 9 | 19 | 68 | 217 | 181 | 107 | 74 | 78 |
| INADEQUATE INTELLECT | 262 | 2 | 31 | 40 | 21 | 16 | 28 | 50 | 37 | 18 | 12 | 7 |
| SOCIAL PRB WITH CHILD | 828 | 3 | 120 | 195 | 76 | 27 | 30 | 129 | 124 | 66 | 35 | 23 |
| SOCIAL PRB WITH* MATE | 1577 | 7 | 88 | 155 | 94 | 38 | 137 | 476 | 336 | 144 | 66 | 36 |
| SOCIAL PRB OTHR FAMLY | 1083 | 6 | 59 | 123 | 67 | 43 | 152 | 300 | 155 | 84 | 54 | 40 |
| SOCIAL PRB OTHR PEOPL | 1842 | 4 | 70 | 132 | 64 | 44 | 279 | 590 | 375 | 136 | 93 | 55 |
| JOB IMPAIRMENT | 1517 | 2 | 62 | 132 | 67 | 40 | 170 | 489 | 344 | 118 | 74 | 19 |
| SCHOOL IMPAIRMENT | 754 | 3 | 134 | 269 | 123 | 52 | 66 | 75 | 23 | 8 | | 1 |
| HOUSEKEEP IMPAIRMENT | 543 | 2 | 24 | 45 | 31 | 12 | 29 | 110 | 106 | 85 | 58 | 41 |
| SUICIDAL THOUGHTS | 664 | | 5 | 7 | 14 | 17 | 99 | 232 | 169 | 58 | 43 | 20 |
| SUICIDE GE-STURE ACT | 237 | | | 4 | 10 | 11 | 60 | 75 | 45 | 17 | 8 | 7 |
| ANXIETY PHOBIAS | 1343 | 1 | 37 | 65 | 31 | 20 | 127 | 449 | 295 | 162 | 110 | 46 |
| OBSESSIONS COMPULSION | 288 | | 1 | 9 | 4 | 8 | 32 | 90 | 73 | 34 | 23 | 14 |
| DEPRESSION INFERIORTY | 2171 | | 33 | 89 | 58 | 48 | 232 | 733 | 487 | 246 | 151 | 94 |
| HYPOCHONDRIAS | 348 | | 5 | 7 | 2 | 5 | 26 | 89 | 82 | 61 | 46 | 25 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 38 (CONT'D.)

PATIENTS ACTIVE 6/30/84, IN STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE AS OF 6/30/84

TYPE OF CARE= OUTPATIENT CARE

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 1026 | | 25 | 50 | 32 | 23 | 107 | 331 | 209 | 101 | 94 | 84 |
| DEPENDENCY CLINGING | 502 | 4 | 18 | 26 | 8 | 8 | 64 | 176 | 94 | 55 | 33 | 16 |
| GRANDIOSI-TY | 214 | | 2 | 4 | 2 | 2 | 25 | 70 | 56 | 28 | 17 | 8 |
| SUSPICION PERSECUTIN | 652 | | 3 | 7 | 9 | 10 | 53 | 230 | 160 | 77 | 61 | 42 |
| DELUSIONS | 516 | | | | 2 | 9 | 52 | 156 | 140 | 64 | 62 | 31 |
| HALLUCI-NATIONS | 592 | | 1 | 1 | 5 | 9 | 80 | 195 | 143 | 65 | 61 | 32 |
| ANGER, NEGATIVISM | 1431 | 2 | 71 | 147 | 67 | 35 | 205 | 421 | 271 | 107 | 53 | 47 |
| ASSAULTIVE ACTS | 701 | 2 | 30 | 31 | 21 | 20 | 152 | 229 | 130 | 45 | 24 | 17 |
| ALCOHOL ABUSE | 719 | | | 1 | 4 | 13 | 152 | 295 | 153 | 58 | 31 | 12 |
| SEXUAL PROBLEMS | 316 | | 1 | 5 | 10 | 7 | 52 | 129 | 66 | 27 | 12 | 7 |
| NARCOTICS, OTHR DRUGS | 664 | | | 4 | 11 | 20 | 188 | 314 | 102 | 20 | 4 | 1 |
| ANTI-SOCIAL | 778 | | 7 | 32 | 41 | 31 | 207 | 288 | 128 | 27 | 12 | 5 |
| AGITATION, HYPERACTIV | 724 | 1 | 68 | 84 | 14 | 11 | 67 | 193 | 132 | 67 | 52 | 35 |
| DISORIENTD MEMORY PRB | 346 | | 5 | 5 | 3 | 5 | 36 | 87 | 63 | 35 | 40 | 67 |
| SPEECH DIS -ORGANIZED | 211 | | 5 | 7 | | 3 | 24 | 55 | 47 | 33 | 15 | 22 |
| SLOWED UP NO EMOTION | 425 | | 7 | 11 | 9 | 7 | 53 | 144 | 90 | 38 | 28 | 38 |
| INAPPROPRI -ATENESS | 584 | | 6 | 14 | 13 | 7 | 63 | 199 | 131 | 69 | 53 | 29 |
| ROUTINE IMPAIRED | 1152 | | 15 | 20 | 13 | 24 | 152 | 391 | 267 | 119 | 91 | 60 |
| MISSING | 676 | | | 1 | 5 | 3 | 7 | 53 | 113 | 153 | 181 | 160 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 4

ADMISSIONS TO STATE MENTAL HEALTH FACILITIES. 7/1/83 TO 6/30/84
BY AGE AND PROBLEMS ON ADMISSION

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 4307 | 33 | 235 | 307 | 238 | 136 | 666 | 1348 | 775 | 292 | 180 | 97 |
| SLEEP PROBLEMS* | 1101 | 6 | 15 | 9 | 26 | 41 | 157 | 400 | 235 | 103 | 68 | 41 |
| EATING PROBLEMS | 467 | 2 | 9 | 14 | 8 | 13 | 79 | 165 | 84 | 53 | 24 | 16 |
| ENURESIS, SOILING | 70 | 4 | 33 | 13 | 2 | | 2 | 5 | 2 | 2 | 1 | 6 |
| SEIZURES, CONVULSION | 64 | | 4 | 2 | 2 | 1 | 12 | 20 | 15 | 3 | 5 | |
| SPEECH PROBLEMS | 131 | 3 | 22 | 10 | 12 | 4 | 15 | 21 | 24 | 9 | 7 | 4 |
| OTHER PHYSICAL PROB | 715 | 4 | 31 | 31 | 24 | 21 | 106 | 202 | 147 | 71 | 43 | 35 |
| INADEQUATE INTELLECT | 162 | 1 | 33 | 31 | 19 | 9 | 18 | 24 | 19 | 4 | 3 | 1 |
| SOCIAL PRB WITH CHILD | 736 | 11 | 151 | 157 | 73 | 16 | 40 | 119 | 107 | 32 | 17 | 13 |
| SOCIAL PRB WITH* MATE | 1499 | 26 | 107 | 148 | 132 | 35 | 208 | 465 | 239 | 75 | 42 | 22 |
| SOCIAL PRB OTHR FAMLY | 743 | 13 | 61 | 77 | 59 | 30 | 147 | 184 | 90 | 35 | 27 | 20 |
| SOCIAL PRB OTHR PEOPL | 1853 | 13 | 86 | 101 | 84 | 71 | 338 | 593 | 340 | 124 | 66 | 37 |
| JOB IMPAIRMENT | 1563 | 5 | 92 | 135 | 100 | 55 | 253 | 502 | 271 | 101 | 42 | 7 |
| SCHOOL IMPAIRMENT | 649 | 10 | 151 | 232 | 141 | 24 | 39 | 51 | 22 | 8 | 1 | |
| HOUSEKEEP IMPAIRMENT | 430 | 2 | 27 | 35 | 26 | 4 | 41 | 119 | 79 | 51 | 30 | 16 |
| SUICIDAL THOUGHTS | 715 | | 8 | 19 | 29 | 31 | 141 | 258 | 142 | 47 | 26 | 14 |
| SUICIDE GE -STURE ACT | 325 | | 4 | 9 | 23 | 23 | 67 | 117 | 50 | 22 | 7 | 3 |
| ANXIETY PHOBIAS | 1128 | 4 | 52 | 55 | 35 | 27 | 166 | 410 | 224 | 79 | 55 | 21 |
| OBSESSIONS COMPULSION | 235 | | 1 | 6 | 6 | 6 | 39 | 89 | 54 | 20 | 10 | 4 |
| DEPRESSION INFERIORTY | 1811 | 1 | 58 | 86 | 76 | 53 | 284 | 631 | 372 | 144 | 74 | 32 |
| HYPOCHONDRIAS | 262 | | 7 | 4 | 2 | 7 | 38 | 95 | 57 | 29 | 19 | 4 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 4 (CONT'D.)

ADMISSIONS TO STATE MENTAL HEALTH FACILITIES. 7/1/83 TO 6/30/84
BY AGE AND PROBLEMS ON ADMISSION

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 839 | 3 | 31 | 40 | 36 | 24 | 137 | 295 | 153 | 60 | 42 | 18 |
| DEPENDENCY CLINGING | 431 | 10 | 22 | 18 | 15 | 10 | 76 | 148 | 79 | 30 | 19 | 4 |
| GRANDIOSITY | 322 | | 4 | 2 | 4 | 5 | 43 | 102 | 91 | 38 | 23 | 10 |
| SUSPICION PERSECUTIN | 660 | | 5 | 11 | 14 | 19 | 95 | 251 | 152 | 55 | 36 | 22 |
| DELUSIONS | 522 | | | 2 | 9 | 19 | 81 | 188 | 128 | 56 | 20 | 19 |
| HALLUCINATIONS | 600 | | 1 | 1 | 13 | 19 | 116 | 236 | 120 | 55 | 26 | 13 |
| ANGER, NEGATIVISM | 1367 | 12 | 89 | 141 | 85 | 37 | 225 | 392 | 226 | 82 | 45 | 33 |
| ASSAULTIVE ACTS | 760 | 6 | 32 | 42 | 39 | 32 | 171 | 226 | 122 | 44 | 19 | 27 |
| ALCOHOL ABUSE | 771 | | | 4 | 27 | 27 | 165 | 286 | 160 | 53 | 38 | 11 |
| SEXUAL PROBLEMS | 280 | | 1 | 7 | 21 | 11 | 58 | 106 | 45 | 21 | 9 | 1 |
| NARCOTICS, OTHR DRUGS | 660 | | | 8 | 45 | 45 | 212 | 265 | 70 | 11 | 4 | |
| ANTI-SOCIAL | 881 | | 17 | 65 | 79 | 43 | 218 | 275 | 121 | 37 | 20 | 6 |
| AGITATION, HYPERACTIV | 696 | 7 | 78 | 36 | 13 | 17 | 97 | 197 | 134 | 55 | 39 | 23 |
| DISORIENTD MEMORY PRB | 359 | | 8 | 2 | 9 | 14 | 59 | 110 | 66 | 31 | 31 | 29 |
| SPEECH DIS-ORGANIZED | 222 | 1 | 7 | 3 | 2 | 4 | 38 | 68 | 53 | 31 | 12 | 3 |
| SLOWED UP NO EMOTION | 358 | | 4 | 10 | 10 | 15 | 71 | 132 | 66 | 36 | 9 | 5 |
| INAPPROPRI-ATENESS | 579 | | 8 | 12 | 21 | 17 | 95 | 213 | 121 | 51 | 27 | 14 |
| ROUTINE IMPAIRED | 933 | 3 | 17 | 18 | 31 | 41 | 168 | 334 | 188 | 68 | 46 | 19 |
| MISSING | 46 | 2 | 2 | 3 | 4 | 3 | 3 | 14 | 9 | 4 | 2 | 1 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 5

ADMISSIONS TO STATE MENTAL HEALTH FACILITIES. 7/1/83 TO 6/30/84
BY ETHNIC GROUP AND CATCHMENT AREA ON ADMISSION

CATCHMENT AREA BY ETHNIC GROUP OF CLIENT

| | TOTAL | DIAMOND HEAD | KALIHI-PALAMA | CENTRAL OAHU | WIND-WARD | LEEWARD | EAST HAWAII | WEST HAWAII | MAUI | KAUAI | OTHER | UNKNOWN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ETHNIC TOTALS | 4307 | 696 | 561 | 414 | 308 | 403 | 96 | 305 | 359 | 104 | 1057 | 4 |
| CAUCASIAN | 1474 | 279 | 102 | 92 | 91 | 75 | 39 | 166 | 141 | 21 | 466 | 2 |
| HAWAIIAN | 32 | 2 | 4 | 2 | 3 | 4 | 1 | 4 | 4 | 1 | 7 | |
| CHINESE | 123 | 49 | 17 | 10 | 6 | 3 | | 2 | 2 | | 33 | 1 |
| FILIPINO | 330 | 12 | 94 | 53 | 13 | 40 | 7 | 16 | 22 | 18 | 54 | 1 |
| JAPANESE | 418 | 100 | 57 | 57 | 29 | 26 | 11 | 12 | 35 | 14 | 77 | |
| PUERTO RCN | 66 | 2 | 11 | 8 | 4 | 12 | 1 | 4 | 8 | 3 | 13 | |
| PART HAWAN | 610 | 61 | 83 | 47 | 74 | 103 | 14 | 39 | 59 | 16 | 114 | |
| PORTUGUESE | 141 | 11 | 17 | 11 | 15 | 18 | 5 | 16 | 21 | 6 | 21 | |
| AMERICAN INDIAN | 3 | | | | | | | 1 | | | 2 | |
| S. EAST ASIAN | 10 | 2 | 2 | 2 | | | | | 1 | | 3 | |
| MIXED | 684 | 110 | 109 | 95 | 57 | 72 | 13 | 32 | 49 | 24 | 123 | |
| OTHER | 375 | 66 | 62 | 35 | 14 | 33 | 5 | 12 | 15 | 1 | 132 | |
| UNKNOWN | 39 | 1 | 3 | 2 | 2 | 17 | | 1 | 2 | | 11 | |
| MISSING | 2 | 1 | | | | | | | | | 1 | |

TABLE 6

ADMISSIONS TO STATE MENTAL HEALTH FACILITIES. 7/1/83 TO 6/30/84
BY REFERRAL SOURCE AND COMMUNITY MENTAL HEALTH CENTER OR SERVICE

COMPREHENSIVE MH CENTER OR SERVICE BY SOURCE OF REFERRAL

| | TOTAL | CENTRAL OAHU | WIND-WARD | LEEWARD | DIAMOND HEAD | KALIHI-PALAMA | MAUI | EAST HAWAII | WEST HAWAII | KAUAI | HSH & CENTRAL SRVS | OTHER SRVS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 4307 | 402 | 216 | 387 | 681 | 541 | 358 | 162 | 254 | 217 | 1064 | 25 |
| SELF FAMILY FRIEND | 1215 | 148 | 61 | 134 | 294 | 113 | 135 | 49 | 128 | 87 | 66 | |
| PRIVATE PRACTIC PROFESS | 152 | 10 | 12 | 21 | 21 | 33 | 6 | 6 | 9 | 14 | 17 | 3 |
| OTHER PSYCH. HOSP. | 220 | 37 | 16 | 25 | 50 | 69 | 6 | 2 | 2 | 4 | 9 | |
| COMUNTY M.H. CENTER | 78 | 5 | 5 | 8 | 15 | 11 | 4 | 1 | 2 | 13 | 8 | 6 |
| OTHER NONPSYC HOSP | 251 | 30 | 19 | 23 | 67 | 46 | 22 | 6 | 6 | 22 | 9 | 1 |
| COURT ENFORCE CORRECT | 1142 | 40 | 11 | 28 | 45 | 35 | 59 | 18 | 7 | 32 | 867 | |
| OUTPAT M.H. CLINIC | 13 | 1 | 2 | 1 | 4 | 1 | | | | 1 | 3 | |
| SCHOOL SYSTEM | 388 | 65 | 40 | 58 | 56 | 70 | 12 | 46 | 2 | 5 | 24 | 10 |
| SOCIAL OR COM. AGENCY | 200 | 14 | 6 | 11 | 31 | 49 | 43 | 9 | 15 | 4 | 18 | |
| NON-PSYCH. PHYSICN | 151 | 7 | 5 | 9 | 13 | 6 | 23 | 8 | 58 | 12 | 10 | |
| CLERGY | 16 | 1 | | | 3 | 4 | 5 | | | 2 | | 1 |
| PUBLIC PSYCH. HOSP. | 157 | 18 | 18 | 34 | 33 | 45 | 4 | 1 | | 3 | 1 | |
| OTHER | 323 | 26 | 21 | 35 | 49 | 59 | 39 | 16 | 25 | 18 | 31 | 4 |
| UNKNOWN | 1 | | | | | | | | | | 1 | |

TABLE 7

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = TOTAL

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 3845 | 1327 | 30 | 107 | 291 | 358 | 61 | 541 | 130 | 3 | 9 | 621 | 331 | 34 | 2 | NUMBERS |
| | 29.1 | 31.4 | 33.5 | 33.4 | 31.9 | 34.1 | 34.6 | 25.7 | 28.7 | 32.7 | 29.3 | 22.5 | 28.0 | 21.4 | 41.0 | MEAN AGE |
| SLEEP | 950 | 397 | 9 | 36 | 81 | 80 | 18 | 110 | 36 | | 5 | 111 | 58 | 8 | 1 | NUMBERS |
| PROBLEMS* | 34.1 | 34.5 | 35.6 | 35.2 | 33.6 | 37.7 | 41.0 | 32.3 | 35.2 | | 29.8 | 27.1 | 34.7 | 26.7 | 21.0 | MEAN AGE |
| EATING | 425 | 185 | 3 | 15 | 43 | 35 | 6 | 48 | 19 | | 2 | 46 | 19 | 2 | 2 | NUMBERS |
| PROBLEMS | 33.1 | 32.7 | 24.7 | 33.9 | 37.6 | 38.0 | 42.2 | 29.2 | 40.7 | | 41.0 | 24.9 | 37.2 | 26.0 | 41.0 | MEAN AGE |
| ENURESIS, | 65 | 15 | 1 | 1 | 5 | 7 | 1 | 12 | 6 | | | 12 | 5 | | | NUMBERS |
| SOILING | 18.0 | 19.6 | 8.0 | 13.0 | 43.4 | 18.7 | 9.0 | 10.8 | 30.0 | | | 11.6 | 9.2 | | | MEAN AGE |
| SEIZURES, | 49 | 17 | 1 | 2 | 2 | 6 | | 7 | 4 | | | 6 | 4 | | | NUMBERS |
| CONVULSION | 30.9 | 29.6 | 32.0 | 49.5 | 32.5 | 37.2 | | 30.0 | 29.7 | | | 26.2 | 27.0 | | | MEAN AGE |
| SPEECH | 115 | 29 | 1 | 4 | 8 | 13 | 2 | 19 | 8 | | | 14 | 14 | 3 | | NUMBERS |
| PROBLEMS | 26.0 | 29.3 | 44.0 | 37.5 | 32.4 | 30.1 | 14.5 | 21.8 | 24.0 | | | 17.4 | 27.1 | 12.3 | | MEAN AGE |
| OTHER PHY- | 667 | 267 | 8 | 25 | 47 | 62 | 6 | 80 | 27 | 1 | 2 | 90 | 48 | 4 | | NUMBERS |
| SICAL PROB | 33.5 | 35.0 | 39.1 | 40.4 | 41.3 | 39.7 | 45.7 | 26.4 | 35.3 | 37.0 | 36.5 | 25.4 | 29.7 | 25.5 | | MEAN AGE |
| INADEQUATE | 150 | 17 | 3 | 2 | 11 | 16 | 2 | 27 | 14 | | 1 | 36 | 14 | 7 | | NUMBERS |
| INTELLECT | 19.9 | 19.2 | 31.0 | 18.0 | 18.4 | 26.5 | 29.0 | 19.0 | 20.8 | | 20.0 | 19.5 | 18.7 | 8.3 | | MEAN AGE |
| SOCIAL PRB | 697 | 190 | 7 | 15 | 46 | 52 | 12 | 134 | 34 | 1 | 1 | 139 | 52 | 14 | | NUMBERS |
| WITH CHILD | 22.2 | 25.4 | 29.7 | 25.6 | 28.8 | 25.7 | 26.7 | 20.6 | 24.3 | 31.0 | 14.0 | 16.0 | 20.8 | 11.3 | | MEAN AGE |
| SOCIAL PRB | 1377 | 465 | 9 | 46 | 97 | 124 | 17 | 196 | 51 | 1 | 3 | 265 | 88 | 14 | 1 | NUMBERS |
| WITH* MATE | 26.7 | 28.8 | 32.0 | 33.1 | 30.1 | 28.0 | 32.2 | 24.9 | 25.8 | 31.0 | 21.0 | 21.1 | 27.5 | 23.2 | 21.0 | MEAN AGE |
| SOCIAL PRB | 662 | 180 | 9 | 21 | 58 | 67 | 13 | 96 | 33 | | 2 | 125 | 53 | 4 | 1 | NUMBERS |
| OTHR FAMLY | 26.0 | 28.1 | 40.8 | 28.3 | 29.3 | 29.1 | 32.9 | 22.7 | 27.2 | | 21.5 | 20.9 | 24.3 | 18.0 | 21.0 | MEAN AGE |
| SOCIAL PRB | 1588 | 538 | 12 | 39 | 100 | 146 | 26 | 226 | 53 | 1 | 5 | 271 | 152 | 17 | 2 | NUMBERS |
| OTHR PEOPL | 29.0 | 31.9 | 30.5 | 32.9 | 33.0 | 34.7 | 31.9 | 25.0 | 29.2 | 30.0 | 31.2 | 23.4 | 26.7 | 16.1 | 41.0 | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7 (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = TOTAL

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JOB IMPAIRMENT | 1378 | 482 | 12 | 42 | 95 | 137 | 22 | 196 | 39 | | 5 | 229 | 109 | 8 | 2 | NUMBERS |
| | 27.5 | 31.2 | 26.3 | 31.6 | 27.8 | 30.8 | 28.8 | 23.1 | 24.8 | | 29.0 | 21.0 | 27.7 | 30.0 | 41.0 | MEAN AGE |
| SCHOOL IMPAIRMENT | 608 | 125 | 3 | 17 | 45 | 43 | 9 | 118 | 20 | | 1 | 147 | 65 | 15 | 1 | NUMBERS |
| | 14.7 | 16.2 | 8.7 | 8.8 | 16.2 | 17.8 | 15.2 | 13.5 | 12.2 | | 20.0 | 13.8 | 14.4 | 9.7 | 21.0 | MEAN AGE |
| HOUSEKEEP IMPAIRMENT | 361 | 131 | 4 | 14 | 35 | 38 | 6 | 50 | 10 | | 1 | 46 | 22 | 2 | 2 | NUMBERS |
| | 31.6 | 31.5 | 25.0 | 43.4 | 35.9 | 37.4 | 50.5 | 25.4 | 32.5 | | 23.0 | 23.3 | 34.0 | 32.5 | 41.0 | MEAN AGE |
| SUICIDAL THOUGHTS | 635 | 250 | 5 | 23 | 39 | 49 | 12 | 88 | 20 | | 1 | 101 | 43 | 4 | | NUMBERS |
| | 31.3 | 32.9 | 35.4 | 35.6 | 33.0 | 34.8 | 37.8 | 27.1 | 33.0 | | 24.0 | 25.9 | 31.8 | 31.5 | | MEAN AGE |
| SUICIDE GE -STURE ACT | 278 | 97 | 2 | 8 | 27 | 23 | 4 | 47 | 9 | | | 43 | 14 | 4 | | NUMBERS |
| | 29.0 | 31.6 | 26.0 | 33.5 | 29.2 | 33.7 | 28.7 | 27.5 | 24.8 | | | 22.9 | 26.5 | 32.2 | | MEAN AGE |
| ANXIETY PHOBIAS | 1041 | 470 | 5 | 28 | 64 | 101 | 20 | 108 | 35 | | 2 | 129 | 71 | 7 | 1 | NUMBERS |
| | 30.9 | 32.2 | 24.0 | 39.2 | 33.3 | 36.2 | 34.6 | 26.2 | 33.1 | | 41.0 | 23.4 | 29.8 | 16.3 | 21.0 | MEAN AGE |
| OBSESSIONS COMPULSION | 211 | 99 | 1 | 7 | 11 | 30 | 1 | 12 | 8 | | | 26 | 16 | | | NUMBERS |
| | 32.3 | 32.0 | 19.0 | 36.1 | 33.8 | 35.7 | 66.0 | 32.4 | 41.2 | | | 26.5 | 28.7 | | | MEAN AGE |
| DEPRESSION INFERIORTY | 1678 | 682 | 15 | 59 | 122 | 151 | 27 | 210 | 47 | | 4 | 234 | 109 | 16 | 2 | NUMBERS |
| | 31.2 | 32.9 | 30.8 | 35.9 | 33.0 | 35.1 | 34.0 | 27.7 | 30.4 | | 32.2 | 24.7 | 31.2 | 25.3 | 41.0 | MEAN AGE |
| HYPOCHON-DRIAS | 229 | 89 | 4 | 12 | 12 | 24 | 2 | 27 | 10 | | 1 | 32 | 15 | | 1 | NUMBERS |
| | 34.2 | 36.1 | 27.0 | 44.8 | 38.7 | 34.0 | 35.0 | 32.1 | 34.7 | | 50.0 | 26.2 | 33.5 | | 21.0 | MEAN AGE |
| SOCIAL ISOLATION | 724 | 285 | 7 | 29 | 49 | 107 | 6 | 70 | 20 | 1 | 3 | 83 | 59 | 3 | 2 | NUMBERS |
| | 30.9 | 31.4 | 26.3 | 38.8 | 29.9 | 34.1 | 32.8 | 27.5 | 30.7 | 31.0 | 34.0 | 25.1 | 32.1 | 14.3 | 41.0 | MEAN AGE |
| DEPENDENCY CLINGING | 393 | 170 | 4 | 9 | 29 | 29 | 2 | 49 | 14 | 1 | 1 | 52 | 29 | 3 | 1 | NUMBERS |
| | 29.3 | 30.8 | 26.5 | 48.7 | 31.4 | 32.9 | 18.5 | 25.0 | 28.1 | 30.0 | 20.0 | 22.7 | 30.9 | 29.7 | 21.0 | MEAN AGE |
| GRANDIOSI-TY | 221 | 78 | 3 | 4 | 25 | 22 | 4 | 31 | 4 | | | 26 | 22 | 2 | | NUMBERS |
| | 35.3 | 37.9 | 38.7 | 38.7 | 33.8 | 37.0 | 47.7 | 34.7 | 36.2 | | | 29.6 | 31.6 | 20.5 | | MEAN AGE |

*PRO3 OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7 (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = TOTAL

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUSPICION PERSECUTIN | 518 | 180 | 5 | 14 | 53 | 63 | 9 | 66 | 19 | | 2 | 63 | 42 | 1 | 1 | NUMBERS |
| | 33.1 | 32.3 | 30.6 | 36.1 | 36.6 | 38.5 | 41.0 | 31.9 | 32.2 | | 28.0 | 28.9 | 32.5 | 11.0 | 21.0 | MEAN AGE |
| DELUSIONS | 383 | 121 | 2 | 10 | 42 | 56 | 5 | 50 | 14 | | 1 | 46 | 35 | 1 | | NUMBERS |
| | 33.6 | 34.8 | 39.5 | 37.0 | 34.4 | 35.1 | 43.2 | 30.7 | 33.2 | | 49.0 | 29.3 | 32.9 | 29.0 | | MEAN AGE |
| HALLUCI-NATIONS | 451 | 130 | 3 | 10 | 58 | 64 | 8 | 61 | 14 | 1 | 1 | 48 | 50 | 3 | | NUMBERS |
| | 32.7 | 32.4 | 35.7 | 37.7 | 33.0 | 35.9 | 33.7 | 30.4 | 31.5 | 31.0 | 32.0 | 30.3 | 32.9 | 40.0 | | MEAN AGE |
| ANGER, NEGATIVISM | 1198 | 358 | 6 | 32 | 96 | 92 | 20 | 180 | 49 | | 1 | 233 | 119 | 10 | 2 | NUMBERS |
| | 27.2 | 29.6 | 28.5 | 27.4 | 33.3 | 32.9 | 33.7 | 25.1 | 28.0 | | 20.0 | 21.5 | 24.3 | 16.5 | 41.0 | MEAN AGE |
| ASSAULTIVE ACTS | 640 | 127 | 6 | 8 | 60 | 50 | 13 | 119 | 25 | | | 136 | 90 | 4 | 2 | NUMBERS |
| | 27.9 | 29.6 | 43.7 | 29.0 | 34.4 | 33.3 | 32.4 | 26.7 | 26.6 | | | 23.0 | 25.8 | 13.5 | 41.0 | MEAN AGE |
| ALCOHOL ABUSE | 698 | 272 | 7 | 8 | 37 | 33 | 13 | 102 | 20 | 1 | | 117 | 65 | 3 | | NUMBERS |
| | 31.6 | 33.7 | 32.0 | 34.5 | 32.1 | 34.1 | 41.9 | 30.5 | 31.5 | 31.0 | | 28.0 | 28.4 | 31.7 | | MEAN AGE |
| SEXUAL PROBLEMS | 257 | 107 | 2 | 3 | 15 | 15 | 3 | 21 | 9 | | | 50 | 30 | 2 | | NUMBERS |
| | 29.9 | 30.7 | 30.0 | 34.3 | 29.1 | 32.6 | 53.3 | 29.9 | 28.4 | | | 27.4 | 27.4 | 30.0 | | MEAN AGE |
| NARCOTICS, OTHR DRUGS | 581 | 179 | 2 | 8 | 33 | 28 | 9 | 90 | 18 | | 2 | 141 | 69 | 2 | | NUMBERS |
| | 26.4 | 28.4 | 21.0 | 25.5 | 26.0 | 26.7 | 22.9 | 26.1 | 24.7 | | 26.0 | 24.6 | 27.0 | 22.5 | | MEAN AGE |
| ANTI-SOCIAL | 765 | 194 | 2 | 15 | 56 | 47 | 12 | 123 | 24 | | 2 | 173 | 107 | 9 | 1 | NUMBERS |
| | 26.4 | 28.1 | 33.0 | 36.1 | 25.1 | 33.9 | 30.7 | 25.2 | 24.8 | | 26.0 | 24.0 | 25.1 | 14.3 | 21.0 | MEAN AGE |
| AGITATION, HYPERACTIV | 564 | 183 | 4 | 14 | 44 | 41 | 9 | 98 | 29 | | | 89 | 44 | 8 | 1 | NUMBERS |
| | 29.1 | 30.9 | 43.2 | 32.4 | 38.1 | 36.4 | 32.4 | 25.7 | 28.9 | | | 22.2 | 27.8 | 11.5 | 21.0 | MEAN AGE |
| DISORIENTD MEMORY PRB | 279 | 99 | 4 | 9 | 24 | 34 | 8 | 29 | 9 | | | 29 | 30 | 3 | 1 | NUMBERS |
| | 36.3 | 36.2 | 39.2 | 49.7 | 38.1 | 39.8 | 48.6 | 31.1 | 46.8 | | | 28.8 | 33.0 | 27.7 | 61.0 | MEAN AGE |
| SPEECH DIS -ORGANIZED | 157 | 45 | 1 | 3 | 19 | 23 | 5 | 20 | 3 | | | 24 | 14 | | | NUMBERS |
| | 33.9 | 35.6 | 44.0 | 44.7 | 31.8 | 34.7 | 37.4 | 31.2 | 68.3 | | | 27.7 | 33.0 | | | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7 (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = TOTAL

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SLOWED UP NO EMOTION | 289 | 106 | 4 | 7 | 21 | 45 | 4 | 24 | 9 | | 1 | 36 | 29 | 2 | 1 | NUMBERS |
| | 30.7 | 31.6 | 32.0 | 37.7 | 34.9 | 31.6 | 33.5 | 24.9 | 29.9 | | 20.0 | 25.0 | 34.6 | 18.5 | 21.0 | MEAN AGE |
| INAPPROPRI -ATENESS | 417 | 144 | 4 | 11 | 39 | 54 | 6 | 59 | 14 | 1 | 1 | 43 | 36 | 3 | 2 | NUMBERS |
| | 32.0 | 32.0 | 33.2 | 37.1 | 33.4 | 35.9 | 40.0 | 29.5 | 38.0 | 31.0 | 20.0 | 27.1 | 28.6 | 34.0 | 41.0 | MEAN AGE |
| ROUTINE IMPAIRED | 816 | 306 | 8 | 22 | 59 | 91 | 11 | 100 | 27 | | 3 | 117 | 62 | 9 | 1 | NUMBERS |
| | 31.6 | 32.7 | 36.7 | 38.8 | 32.8 | 35.8 | 36.9 | 28.4 | 33.6 | | 21.3 | 26.9 | 30.4 | 18.1 | 21.0 | MEAN AGE |
| MISSING | 42 | 14 | | | 2 | 5 | | 6 | 2 | | | 10 | 3 | | | NUMBERS |
| | 28.5 | 22.9 | | | 43.5 | 38.4 | | 32.8 | 31.0 | | | 24.5 | 31.3 | | | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7A

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = MALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 2326<br>27.6 | 733<br>29.8 | 19<br>34.9 | 53<br>29.9 | 184<br>31.5 | 209<br>31.8 | 34<br>30.6 | 340<br>24.4 | 80<br>26.3 | 2<br>33.5 | 7<br>31.6 | 402<br>21.9 | 240<br>26.8 | 21<br>17.3 | 2<br>41.0 | NUMBERS<br>MEAN AGE |
| SLEEP PROBLEMS* | 462<br>32.4 | 183<br>33.4 | 6<br>33.3 | 17<br>28.9 | 36<br>38.7 | 37<br>32.6 | 10<br>42.3 | 54<br>30.4 | 22<br>31.6 | | 3<br>35.3 | 57<br>26.3 | 34<br>36.6 | 2<br>20.5 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| EATING PROBLEMS | 171<br>31.1 | 69<br>31.9 | 3<br>24.7 | 6<br>31.7 | 13<br>39.3 | 15<br>33.1 | 2<br>47.0 | 19<br>25.8 | 9<br>34.6 | | 2<br>41.0 | 23<br>21.7 | 7<br>30.4 | 1<br>25.0 | 2<br>41.0 | NUMBERS<br>MEAN AGE |
| ENURESIS, SOILING | 45<br>13.4 | 11<br>10.8 | 1<br>8.0 | 1<br>13.0 | 3<br>43.7 | 2<br>6.5 | 1<br>9.0 | 10<br>11.9 | 5<br>19.4 | | | 8<br>7.9 | 3<br>9.7 | | | NUMBERS<br>MEAN AGE |
| SEIZURES, CONVULSION | 30<br>33.0 | 8<br>29.4 | | 2<br>49.5 | 1<br>28.0 | 3<br>46.3 | | 7<br>30.0 | 2<br>45.5 | | | 4<br>25.5 | 3<br>29.0 | | | NUMBERS<br>MEAN AGE |
| SPEECH PROBLEMS | 77<br>25.0 | 20<br>27.7 | 1<br>44.0 | 1<br>36.0 | 6<br>37.3 | 8<br>26.9 | 1<br>22.0 | 11<br>23.0 | 6<br>21.3 | | | 9<br>13.8 | 11<br>26.2 | 3<br>14.3 | | NUMBERS<br>MEAN AGE |
| OTHER PHY-SICAL PROB | 360<br>32.6 | 132<br>34.1 | 7<br>41.1 | 10<br>39.6 | 27<br>42.7 | 34<br>36.5 | 3<br>49.3 | 51<br>25.5 | 14<br>29.7 | 1<br>37.0 | 2<br>36.5 | 51<br>25.6 | 26<br>31.2 | 2<br>20.0 | | NUMBERS<br>MEAN AGE |
| INADEQUATE INTELLECT | 110<br>17.9 | 11<br>16.5 | | 1<br>10.0 | 10<br>19.2 | 9<br>23.8 | 1<br>6.0 | 22<br>18.3 | 9<br>18.7 | | 1<br>20.0 | 26<br>18.7 | 12<br>17.3 | 7<br>9.3 | | NUMBERS<br>MEAN AGE |
| SOCIAL PRB WITH CHILD | 399<br>16.5 | 89<br>16.5 | 6<br>30.5 | 7<br>18.9 | 29<br>27.1 | 24<br>15.6 | 3<br>16.3 | 81<br>16.4 | 19<br>16.0 | | 1<br>14.0 | 96<br>13.5 | 31<br>13.7 | 13<br>11.3 | | NUMBERS<br>MEAN AGE |
| SOCIAL PRB WITH* MATE | 734<br>25.0 | 228<br>27.0 | 8<br>31.9 | 22<br>29.0 | 59<br>30.5 | 67<br>24.0 | 9<br>35.3 | 100<br>23.3 | 28<br>25.2 | | 1<br>20.0 | 154<br>20.3 | 50<br>25.2 | 7<br>20.0 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| SOCIAL PRB OTHR FAMLY | 412<br>24.4 | 97<br>25.7 | 5<br>41.8 | 14<br>26.9 | 38<br>28.5 | 45<br>27.2 | 5<br>30.4 | 60<br>22.6 | 24<br>24.7 | | 1<br>20.0 | 85<br>20.0 | 34<br>23.1 | 3<br>10.7 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| SOCIAL PRB OTHR PEOPL | 1082<br>27.5 | 328<br>30.2 | 8<br>34.2 | 22<br>30.0 | 69<br>30.5 | 92<br>33.7 | 14<br>34.2 | 164<br>24.2 | 40<br>26.9 | 1<br>30.0 | 4<br>33.2 | 208<br>22.6 | 118<br>26.2 | 12<br>13.4 | 2<br>41.0 | NUMBERS<br>MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7A (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = MALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JOB IMPAIRMENT | 915 | 294 | 9 | 27 | 71 | 85 | 13 | 139 | 30 | | 3 | 155 | 75 | 2 | 2 | NUMBERS |
| | 26.4 | 29.4 | 26.6 | 29.7 | 28.3 | 30.5 | 27.8 | 22.4 | 23.6 | | 34.0 | 21.3 | 27.3 | 27.0 | 41.0 | MEAN AGE |
| SCHOOL IMPAIRMENT | 454 | 87 | 3 | 13 | 33 | 31 | 3 | 89 | 19 | | | 109 | 52 | 14 | 1 | NUMBERS |
| | 14.1 | 14.5 | 8.7 | 17.9 | 15.5 | 15.9 | 15.0 | 13.5 | 11.6 | | | 13.6 | 14.2 | 9.8 | 21.0 | MEAN AGE |
| HOUSEKEEP IMPAIRMENT | 135 | 46 | 1 | 2 | 12 | 16 | 4 | 19 | 2 | | | 20 | 10 | 1 | 2 | NUMBERS |
| | 26.4 | 26.0 | 5.0 | 37.0 | 28.0 | 34.7 | 57.2 | 18.5 | 24.0 | | | 18.2 | 29.2 | 29.0 | 41.0 | MEAN AGE |
| SUICIDAL THOUGHTS | 341 | 131 | 1 | 12 | 21 | 26 | 7 | 52 | 14 | | 1 | 51 | 24 | 1 | | NUMBERS |
| | 30.8 | 32.5 | 71.0 | 34.7 | 30.4 | 31.7 | 40.7 | 25.4 | 32.3 | | 24.0 | 27.2 | 32.4 | 37.0 | | MEAN AGE |
| SUICIDE GE-STURE ACT | 140 | 46 | | 6 | 17 | 9 | 2 | 29 | 6 | | | 19 | 5 | 1 | | NUMBERS |
| | 29.0 | 31.5 | | 32.2 | 27.2 | 31.6 | 39.5 | 27.5 | 24.3 | | | 24.9 | 28.8 | 33.0 | | MEAN AGE |
| ANXIETY PHOBIAS | 482 | 207 | 2 | 12 | 26 | 38 | 10 | 56 | 18 | | 2 | 65 | 42 | 3 | 1 | NUMBERS |
| | 28.8 | 30.5 | 22.5 | 33.8 | 29.3 | 33.7 | 31.9 | 25.4 | 29.1 | | 41.0 | 22.3 | 29.8 | 9.7 | 21.0 | MEAN AGE |
| OBSESSIONS COMPULSION | 117 | 53 | | 6 | 10 | 15 | 1 | 5 | 2 | | | 17 | 8 | | | NUMBERS |
| | 30.9 | 31.8 | | 33.3 | 34.8 | 32.8 | 66.0 | 24.4 | 21.0 | | | 27.0 | 24.9 | | | MEAN AGE |
| DEPRESSION INFERIORTY | 811 | 319 | 9 | 22 | 57 | 65 | 14 | 105 | 24 | | 3 | 123 | 62 | 6 | 2 | NUMBERS |
| | 29.5 | 31.8 | 33.2 | 31.7 | 30.1 | 32.4 | 37.1 | 26.2 | 26.3 | | 35.3 | 24.3 | 28.4 | 22.8 | 41.0 | MEAN AGE |
| HYPOCHON-DRIAS | 109 | 38 | 3 | 4 | 3 | 14 | 1 | 10 | 5 | | 1 | 19 | 10 | | 1 | NUMBERS |
| | 31.3 | 34.3 | 25.0 | 35.2 | 21.0 | 35.3 | 18.0 | 27.8 | 33.2 | | 50.0 | 24.8 | 33.3 | | 21.0 | MEAN AGE |
| SOCIAL ISOLATION | 421 | 160 | 4 | 16 | 24 | 66 | 4 | 42 | 14 | | 3 | 48 | 30 | 2 | 2 | NUMBERS |
| | 29.6 | 30.0 | 25.7 | 37.7 | 27.5 | 32.4 | 30.7 | 26.4 | 29.5 | | 34.0 | 25.9 | 30.7 | 8.0 | 41.0 | MEAN AGE |
| DEPENDENCY CLINGING | 184 | 75 | | 2 | 6 | 15 | 2 | 26 | 10 | 1 | 1 | 26 | 19 | | 1 | NUMBERS |
| | 27.1 | 27.6 | | 51.0 | 30.0 | 31.5 | 18.5 | 24.9 | 25.4 | 30.0 | 20.0 | 21.8 | 30.5 | | 21.0 | MEAN AGE |
| GRANDIOSI-TY | 149 | 46 | 3 | 1 | 16 | 18 | 2 | 22 | 3 | | | 18 | 18 | 2 | | NUMBERS |
| | 34.5 | 37.5 | 38.7 | 56.0 | 32.7 | 37.9 | 50.5 | 32.4 | 31.0 | | | 29.1 | 31.9 | 20.5 | | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7A (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = MALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUSPICION PERSECUTIN | 321<br>32.2 | 108<br>31.2 | 2<br>32.0 | 7<br>36.6 | 34<br>37.7 | 38<br>36.8 | 5<br>45.4 | 41<br>27.4 | 13<br>29.7 | | 2<br>28.0 | 38<br>28.8 | 32<br>32.6 | | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| DELUSIONS | 238<br>32.5 | 70<br>33.8 | 2<br>39.5 | 4<br>33.2 | 25<br>35.0 | 38<br>34.5 | 3<br>45.3 | 29<br>28.4 | 12<br>33.7 | | 1<br>49.0 | 30<br>27.1 | 23<br>30.8 | 1<br>29.0 | | NUMBERS<br>MEAN AGE |
| HALLUCI-NATIONS | 293<br>31.3 | 84<br>31.1 | 2<br>35.0 | 4<br>35.7 | 34<br>32.6 | 42<br>34.3 | 7<br>32.6 | 39<br>28.9 | 10<br>29.6 | | 1<br>32.0 | 31<br>29.2 | 38<br>30.8 | 1<br>29.0 | | NUMBERS<br>MEAN AGE |
| ANGER, NEGATIVISM | 796<br>26.2 | 221<br>28.6 | 4<br>28.0 | 17<br>22.6 | 66<br>33.6 | 54<br>31.7 | 14<br>34.9 | 124<br>24.0 | 33<br>23.3 | | | 167<br>21.4 | 86<br>24.2 | 3<br>16.7 | 2<br>41.0 | NUMBERS<br>MEAN AGE |
| ASSAULTIVE ACTS | 522<br>27.5 | 105<br>29.1 | 6<br>43.7 | 8<br>29.0 | 49<br>34.6 | 40<br>32.7 | 9<br>36.0 | 97<br>26.0 | 20<br>24.7 | | | 113<br>22.7 | 70<br>25.2 | 3<br>14.3 | 2<br>41.0 | NUMBERS<br>MEAN AGE |
| ALCOHOL ABUSE | 537<br>31.5 | 178<br>33.9 | 6<br>32.5 | 5<br>39.2 | 34<br>31.6 | 27<br>34.4 | 11<br>42.3 | 89<br>30.4 | 16<br>30.9 | | | 90<br>27.7 | 74<br>28.5 | 2<br>34.0 | | NUMBERS<br>MEAN AGE |
| SEXUAL PROBLEMS | 165<br>30.6 | 64<br>31.9 | 1<br>41.0 | 1<br>36.0 | 9<br>27.7 | 9<br>32.3 | 3<br>53.3 | 13<br>30.4 | 6<br>31.2 | | | 36<br>29.1 | 23<br>27.8 | | | NUMBERS<br>MEAN AGE |
| NARCOTICS, OTHR DRUGS | 477<br>26.4 | 137<br>28.6 | 2<br>21.0 | 6<br>25.7 | 29<br>24.5 | 25<br>25.4 | 8<br>21.5 | 78<br>26.2 | 14<br>24.9 | | 1<br>32.0 | 111<br>24.8 | 85<br>26.9 | 1<br>25.0 | | NUMBERS<br>MEAN AGE |
| ANTI-SOCIAL | 640<br>25.8 | 157<br>27.3 | 2<br>33.0 | 10<br>33.3 | 47<br>25.0 | 35<br>32.3 | 10<br>32.4 | 109<br>24.4 | 22<br>25.4 | | 1<br>32.0 | 147<br>24.0 | 92<br>25.2 | 7<br>14.0 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| AGITATION, HYPERACTIV | 356<br>26.9 | 104<br>29.3 | 3<br>34.7 | 8<br>24.1 | 31<br>39.7 | 20<br>31.9 | 6<br>32.5 | 61<br>23.1 | 19<br>24.0 | | | 64<br>21.0 | 32<br>27.0 | 7<br>11.6 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| DISORIENTD MEMORY PRB | 178<br>35.7 | 62<br>35.3 | 4<br>39.2 | 5<br>45.0 | 16<br>41.1 | 23<br>38.4 | 6<br>49.7 | 15<br>28.9 | 3<br>46.7 | | | 20<br>29.0 | 21<br>33.0 | 2<br>10.0 | 1<br>61.0 | NUMBERS<br>MEAN AGE |
| SPEECH DIS -ORGANIZED | 102<br>32.9 | 33<br>35.0 | 1<br>44.0 | 3<br>44.7 | 11<br>33.6 | 17<br>33.1 | 3<br>32.3 | 11<br>26.2 | 1<br>66.0 | | | 15<br>27.3 | 7<br>33.7 | | | NUMBERS<br>MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 7A (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = MALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SLOWED UP NO EMOTION | 177<br>29.3 | 58<br>29.9 | 2<br>42.0 | 4<br>34.2 | 9<br>32.8 | 30<br>30.0 | 1<br>22.0 | 16<br>24.1 | 7<br>33.4 | | | 28<br>24.6 | 20<br>33.3 | 1<br>10.0 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| INAPPROPRI -ATENESS | 244<br>30.5 | 76<br>30.8 | 3<br>36.0 | 10<br>36.0 | 21<br>31.4 | 33<br>36.5 | 2<br>50.5 | 34<br>26.9 | 9<br>25.4 | | 1<br>20.0 | 30<br>25.9 | 21<br>28.3 | 2<br>31.0 | 2<br>41.0 | NUMBERS<br>MEAN AGE |
| ROUTINE IMPAIRED | 476<br>29.8 | 170<br>32.0 | 4<br>37.0 | 8<br>31.9 | 31<br>31.3 | 49<br>33.6 | 7<br>35.1 | 59<br>24.7 | 16<br>28.6 | | 2<br>22.0 | 81<br>27.1 | 42<br>29.7 | 5<br>12.3 | 1<br>21.0 | NUMBERS<br>MEAN AGE |
| MISSING | 30<br>31.3 | 9<br>24.6 | | | 2<br>43.5 | 3<br>50.3 | | 6<br>32.8 | 1<br>37.0 | | | 7<br>26.4 | 2<br>30.5 | | | NUMBERS<br>MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 78

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = FEMALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 1519 | 594 | 11 | 54 | 107 | 149 | 27 | 201 | 50 | 1 | 2 | 219 | 91 | 13 | | NUMBERS |
| | 31.4 | 33.4 | 31.1 | 36.9 | 32.5 | 37.4 | 32.0 | 27.8 | 32.5 | 31.0 | 21.5 | 23.6 | 31.2 | 28.1 | | MEAN AGE |
| SLEEP | 488 | 214 | 3 | 19 | 45 | 43 | 8 | 56 | 14 | | 2 | 54 | 24 | 6 | | NUMBERS |
| PROBLEMS* | 35.7 | 35.4 | 40.0 | 40.8 | 38.6 | 42.1 | 39.4 | 34.1 | 40.9 | | 21.5 | 27.4 | 37.8 | 28.8 | | MEAN AGE |
| EATING | 254 | 116 | | 9 | 30 | 20 | 4 | 29 | 10 | | | 23 | 12 | 1 | | NUMBERS |
| PROBLEMS | 34.5 | 33.2 | | 35.3 | 36.9 | 41.6 | 39.7 | 31.4 | 46.3 | | | 28.2 | 37.6 | 27.0 | | MEAN AGE |
| ENURESIS, | 20 | 4 | | | 2 | 5 | | 2 | 1 | | | 4 | 2 | | | NUMBERS |
| SOILING | 28.3 | 43.7 | | | 43.0 | 23.6 | | 5.5 | 83.0 | | | 19.0 | 8.5 | | | MEAN AGE |
| SEIZURES, | 19 | 9 | 1 | | 1 | 3 | | | 2 | | | 2 | 1 | | | NUMBERS |
| CONVULSION | 27.6 | 29.8 | 32.0 | | 37.0 | 28.0 | | | 14.0 | | | 27.5 | 21.0 | | | MEAN AGE |
| SPEECH | 38 | 9 | | 3 | 2 | 5 | 1 | 8 | 2 | | | 5 | 3 | | | NUMBERS |
| PROBLEMS | 28.0 | 32.9 | | 38.0 | 17.5 | 35.2 | 7.0 | 20.1 | 32.0 | | | 23.8 | 30.7 | | | MEAN AGE |
| OTHER PHY- | 307 | 135 | 1 | 15 | 20 | 28 | 3 | 29 | 13 | | | 39 | 22 | 2 | | NUMBERS |
| SICAL PROB | 34.6 | 35.9 | 25.0 | 41.0 | 34.4 | 43.7 | 42.0 | 28.1 | 41.3 | | | 25.1 | 28.0 | 29.0 | | MEAN AGE |
| INADEQUATE | 40 | 6 | 3 | 1 | 1 | 7 | 1 | 5 | 5 | | | 10 | 1 | | | NUMBERS |
| INTELLECT | 25.6 | 24.3 | 31.0 | 26.0 | 10.0 | 30.0 | 52.0 | 22.2 | 24.6 | | | 21.6 | 37.0 | | | MEAN AGE |
| SOCIAL PRB | 298 | 101 | 1 | 8 | 17 | 28 | 9 | 53 | 15 | 1 | | 43 | 21 | 1 | | NUMBERS |
| WITH CHILD | 30.0 | 33.3 | 25.0 | 31.5 | 31.9 | 34.3 | 30.2 | 27.2 | 34.7 | 31.0 | | 21.6 | 28.4 | 11.0 | | MEAN AGE |
| SOCIAL PRB | 643 | 237 | 1 | 24 | 38 | 57 | 8 | 96 | 23 | 1 | 2 | 111 | 38 | 7 | | NUMBERS |
| WITH* MATE | 28.6 | 30.4 | 33.0 | 36.7 | 24.5 | 32.8 | 28.6 | 26.6 | 26.4 | 31.0 | 21.5 | 22.2 | 30.6 | 28.4 | | MEAN AGE |
| SOCIAL PRB | 250 | 83 | 4 | 7 | 20 | 22 | 8 | 36 | 9 | | 1 | 60 | 14 | 1 | | NUMBERS |
| OTHR FAMLY | 28.6 | 30.9 | 39.5 | 31.1 | 30.7 | 32.8 | 34.5 | 22.8 | 33.7 | | 23.0 | 22.6 | 26.3 | 40.0 | | MEAN AGE |
| SOCIAL PRB | 506 | 210 | 4 | 17 | 31 | 54 | 12 | 62 | 13 | | 1 | 63 | 34 | 5 | | NUMBERS |
| OTHR PEOPL | 32.3 | 34.5 | 23.0 | 36.5 | 38.5 | 36.5 | 27.2 | 27.1 | 36.3 | | 23.0 | 25.9 | 28.4 | 22.6 | | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 78 (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/33 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = FEMALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JOB IMPAIRMENT | 463 | 188 | 3 | 15 | 24 | 52 | 9 | 57 | 9 | | 2 | 64 | 34 | 6 | | NUMBERS |
| | 29.9 | 33.8 | 25.7 | 35.1 | 32.2 | 31.4 | 30.2 | 24.8 | 28.6 | | 21.5 | 20.4 | 28.6 | 31.0 | | MEAN AGE |
| SCHOOL IMPAIRMENT | 154 | 38 | | 4 | 12 | 12 | 5 | 29 | 1 | | 1 | 38 | 13 | 1 | | NUMBERS |
| | 16.8 | 20.1 | | 18.5 | 18.2 | 22.6 | 15.4 | 13.5 | 25.0 | | 20.0 | 14.2 | 15.2 | 9.0 | | MEAN AGE |
| HOUSEKEEP IMPAIRMENT | 226 | 85 | 3 | 12 | 23 | 22 | 2 | 31 | 8 | | 1 | 26 | 12 | 1 | | NUMBERS |
| | 34.7 | 34.5 | 31.7 | 44.5 | 40.1 | 39.3 | 37.0 | 29.6 | 34.6 | | 23.0 | 27.3 | 37.9 | 40.0 | | MEAN AGE |
| SUICIDAL THOUGHTS | 294 | 119 | 4 | 11 | 18 | 23 | 5 | 36 | 6 | | | 50 | 19 | 3 | | NUMBERS |
| | 31.8 | 33.5 | 26.5 | 36.5 | 36.0 | 38.3 | 33.8 | 29.6 | 34.8 | | | 24.5 | 31.0 | 29.0 | | MEAN AGE |
| SUICIDE GE -STURE ACT | 138 | 51 | 2 | 2 | 10 | 14 | 2 | 18 | 3 | | | 24 | 9 | 3 | | NUMBERS |
| | 29.0 | 31.7 | 26.0 | 37.5 | 32.7 | 35.1 | 18.0 | 27.4 | 25.7 | | | 21.2 | 25.2 | 31.3 | | MEAN AGE |
| ANXIETY PHOBIAS | 559 | 263 | 3 | 16 | 38 | 63 | 10 | 52 | 17 | | | 64 | 29 | 4 | | NUMBERS |
| | 32.7 | 33.5 | 25.0 | 43.2 | 36.1 | 37.8 | 37.4 | 27.1 | 37.2 | | | 24.6 | 29.7 | 21.2 | | MEAN AGE |
| OBSESSIONS COMPULSION | 94 | 46 | 1 | 1 | 1 | 15 | | 7 | 6 | | | 9 | 8 | | | NUMBERS |
| | 34.1 | 32.2 | 19.0 | 53.0 | 24.0 | 38.6 | | 38.1 | 48.0 | | | 25.7 | 32.6 | | | MEAN AGE |
| DEPRESSION INFERIORTY | 867 | 363 | 6 | 37 | 65 | 86 | 13 | 105 | 23 | | 1 | 111 | 47 | 10 | | NUMBERS |
| | 32.7 | 33.8 | 27.2 | 38.5 | 35.6 | 37.1 | 30.6 | 29.3 | 34.7 | | 23.0 | 25.0 | 34.9 | 20.8 | | MEAN AGE |
| HYPOCHON-DRIAS | 120 | 51 | 1 | 8 | 9 | 10 | 1 | 17 | 5 | | | 13 | 5 | | | NUMBERS |
| | 36.9 | 37.5 | 33.0 | 42.6 | 44.7 | 32.3 | 52.0 | 34.6 | 36.2 | | | 28.3 | 34.0 | | | MEAN AGE |
| SOCIAL ISOLATION | 303 | 125 | 3 | 13 | 25 | 41 | 2 | 28 | 6 | 1 | | 35 | 23 | 1 | | NUMBERS |
| | 32.6 | 33.2 | 27.0 | 40.1 | 32.3 | 36.8 | 37.0 | 29.0 | 33.5 | 31.0 | | 25.2 | 34.1 | 27.0 | | MEAN AGE |
| DEPENDENCY CLINGING | 209 | 95 | 4 | 7 | 23 | 14 | | 23 | 4 | | | 26 | 10 | 3 | | NUMBERS |
| | 31.3 | 33.3 | 26.5 | 48.0 | 31.7 | 34.4 | | 25.2 | 34.7 | | | 23.7 | 31.7 | 24.7 | | MEAN AGE |
| GRANDIOSI-TY | 72 | 32 | | 3 | 9 | 4 | 2 | 9 | 1 | | | 8 | 9 | | | NUMBERS |
| | 37.0 | 38.4 | | 33.0 | 35.7 | 33.0 | 45.0 | 40.3 | 52.0 | | | 30.7 | 32.5 | | | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 78 (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = FEMALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUSPICION | 197 | 72 | 3 | 7 | 19 | 25 | 4 | 25 | 6 | | | 25 | 10 | 1 | | NUMBERS |
| PERSECUTIN | 34.9 | 33.8 | 29.7 | 35.7 | 34.7 | 41.0 | 35.5 | 36.9 | 37.7 | | | 29.2 | 32.0 | 11.0 | | MEAN AGE |
| DELUSIONS | 145 | 51 | | 6 | 17 | 18 | 2 | 21 | 2 | | | 16 | 12 | | | NUMBERS |
| | 35.4 | 36.1 | | 39.5 | 33.5 | 36.4 | 40.0 | 33.8 | 30.5 | | | 33.4 | 36.7 | | | MEAN AGE |
| HALLUCI- | 158 | 46 | 1 | 6 | 24 | 22 | 1 | 22 | 4 | 1 | | 17 | 12 | 2 | | NUMBERS |
| NATIONS | 35.4 | 34.7 | 37.0 | 39.0 | 33.5 | 39.0 | 42.0 | 33.0 | 36.2 | 31.0 | | 32.3 | 39.7 | 45.5 | | MEAN AGE |
| ANGER, | 402 | 137 | 2 | 15 | 30 | 38 | 6 | 56 | 16 | | 1 | 66 | 33 | 2 | | NUMBERS |
| NEGATIVISM | 29.3 | 31.3 | 29.5 | 32.9 | 32.6 | 34.6 | 31.2 | 27.5 | 37.7 | | 20.0 | 22.0 | 24.5 | 15.5 | | MEAN AGE |
| ASSAULTIVE | 118 | 22 | | | 11 | 10 | 4 | 22 | 5 | | | 23 | 20 | 1 | | NUMBERS |
| ACTS | 29.5 | 32.0 | | | 33.7 | 35.8 | 24.2 | 30.0 | 34.2 | | | 24.2 | 27.6 | 11.0 | | MEAN AGE |
| ALCOHOL | 161 | 94 | 1 | 3 | 3 | 6 | 2 | 13 | 4 | 1 | | 27 | 6 | 1 | | NUMBERS |
| ABUSE | 32.0 | 33.2 | 29.0 | 26.7 | 37.7 | 32.7 | 40.0 | 30.8 | 34.2 | 31.0 | | 28.7 | 27.0 | 27.0 | | MEAN AGE |
| SEXUAL | 92 | 43 | 1 | 2 | 6 | 6 | | 8 | 3 | | | 14 | 7 | 2 | | NUMBERS |
| PROBLEMS | 28.5 | 29.0 | 19.0 | 33.5 | 31.2 | 33.0 | | 29.1 | 23.0 | | | 25.5 | 26.3 | 30.0 | | MEAN AGE |
| NARCOTICS, | 104 | 42 | | 2 | 4 | 3 | 1 | 12 | 4 | | 1 | 30 | 4 | 1 | | NUMBERS |
| OTHR DRUGS | 26.6 | 27.7 | | 25.0 | 36.7 | 37.0 | 34.0 | 25.2 | 24.2 | | 20.0 | 23.6 | 27.7 | 20.0 | | MEAN AGE |
| ANTI- | 125 | 37 | | 5 | 9 | 12 | 2 | 14 | 2 | | 1 | 26 | 15 | 2 | | NUMBERS |
| SOCIAL | 29.1 | 31.8 | | 41.8 | 25.7 | 38.3 | 22.5 | 30.9 | 19.0 | | 20.0 | 23.7 | 24.8 | 15.5 | | MEAN AGE |
| AGITATION, | 208 | 79 | 1 | 6 | 13 | 21 | 3 | 37 | 10 | | | 25 | 12 | 1 | | NUMBERS |
| HYPERACTIV | 32.8 | 33.0 | 69.0 | 43.5 | 34.2 | 40.6 | 32.3 | 29.8 | 38.3 | | | 25.4 | 29.8 | 11.0 | | MEAN AGE |
| DISORIENTD | 101 | 37 | | 4 | 8 | 11 | 2 | 14 | 6 | | | 9 | 9 | 1 | | NUMBERS |
| MEMORY PRB | 37.4 | 37.5 | | 55.5 | 32.0 | 42.6 | 45.5 | 33.5 | 46.8 | | | 28.1 | 32.8 | 51.0 | | MEAN AGE |
| SPEECH DIS | 55 | 12 | | | 8 | 6 | 2 | 9 | 2 | | | 9 | 7 | | | NUMBERS |
| -ORGANIZED | 35.8 | 37.2 | | | 29.2 | 39.5 | 45.0 | 37.3 | 69.5 | | | 29.0 | 32.3 | | | MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 78 (CONT'D.)

UNDUPLICATED ADMISSIONS TO STATE MENTAL HEALTH FACILITIES,
7/1/83 TO 6/30/84 ETHNIC GROUP BY PROBLEMS ON ADMISSION
INCLUDING MEAN AGE ON ADMISSION

SEX = FEMALE

ETHNIC GROUP OF CLIENT BY PROBLEMS AT ADMISSION

| | ETHNIC TOTALS | CAUCA-SIAN | HAWAI-IAN | CHINESE | FILI-PINO | JAPAN-ESE | PUERTO RICAN | PART HAWAN. | PORTU-GUESE | AMERICN INDIAN | S. EAST ASIAN | MIXED | OTHER | UNKNOWN | MISSING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SLOWED UP NO EMOTION | 112<br>32.9 | 48<br>33.7 | 2<br>22.0 | 3<br>42.3 | 12<br>36.5 | 15<br>34.9 | 3<br>37.3 | 8<br>26.5 | 2<br>17.5 | | 1<br>20.0 | 8<br>26.6 | 9<br>37.4 | 1<br>9.0 | | NUMBERS<br>MEAN AGE |
| INAPPROPRI-ATENESS | 173<br>34.0 | 68<br>33.3 | 1<br>25.0 | 1<br>48.0 | 18<br>35.8 | 21<br>35.0 | 4<br>34.7 | 25<br>32.9 | 5<br>60.6 | 1<br>31.0 | | 13<br>29.9 | 15<br>29.1 | 1<br>40.0 | | NUMBERS<br>MEAN AGE |
| ROUTINE IMPAIRED | 340<br>34.1 | 136<br>33.7 | 4<br>36.5 | 14<br>42.7 | 28<br>34.5 | 42<br>38.3 | 4<br>40.0 | 41<br>33.9 | 11<br>41.0 | | 1<br>20.0 | 36<br>26.7 | 20<br>31.7 | 3<br>29.7 | | NUMBERS<br>MEAN AGE |
| MISSING | 12<br>21.6 | 5<br>20.0 | | | | 2<br>20.5 | | | 1<br>25.0 | | | 3<br>20.0 | 1<br>33.0 | | | NUMBERS<br>MEAN AGE |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 3

TERMINATIONS FROM STATE MENTAL HEALTH FACILITIES, 7/1/83 TO 6/30/84
BY AGE AND PROBLEMS ON ADMISSION

AGE AT TERMINATION BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 4887 | 23 | 197 | 383 | 366 | 199 | 609 | 1525 | 847 | 356 | 233 | 179 |
| SLEEP PROBLEMS* | 1136 | 2 | 10 | 13 | 33 | 45 | 127 | 429 | 260 | 117 | 67 | 33 |
| EATING PROBLEMS | 435 | 3 | 12 | 8 | 11 | 15 | 56 | 190 | 102 | 46 | 25 | 25 |
| ENURESIS, SOILING | 58 | 2 | 21 | 17 | 3 | | 1 | 6 | 1 | 1 | | 0 |
| SEIZURES, CONVULSION | 62 | | 6 | 2 | 4 | 2 | 9 | 20 | 12 | 4 | 2 | 1 |
| SPEECH PROBLEMS | 140 | 7 | 22 | 17 | 8 | 7 | 5 | 30 | 15 | 14 | 8 | 0 |
| OTHER PHYSICAL PROB | 692 | 2 | 26 | 32 | 26 | 14 | 75 | 223 | 123 | 72 | 52 | 47 |
| INADEQUATE INTELLECT | 196 | 3 | 22 | 32 | 26 | 16 | 21 | 37 | 19 | 8 | 4 | 8 |
| SOCIAL PRB WITH CHILD | 758 | 4 | 91 | 169 | 96 | 28 | 51 | 121 | 137 | 42 | 25 | 16 |
| SOCIAL PRB WITH* MATE | 1563 | 13 | 74 | 147 | 174 | 60 | 172 | 486 | 275 | 87 | 44 | 31 |
| SOCIAL PRB OTHR FAMLY | 859 | 8 | 47 | 95 | 115 | 66 | 121 | 230 | 112 | 24 | 23 | 18 |
| SOCIAL PRB OTHR PEOPL | 1852 | 10 | 63 | 129 | 129 | 84 | 241 | 616 | 334 | 119 | 58 | 59 |
| JOB IMPAIRMENT | 1591 | 2 | 63 | 113 | 121 | 40 | 216 | 573 | 280 | 114 | 53 | 16 |
| SCHOOL IMPAIRMENT | 777 | 9 | 117 | 226 | 221 | 80 | 45 | 50 | 20 | 6 | 2 | 1 |
| HOUSEKEEP IMPAIRMENT | 453 | 2 | 15 | 41 | 28 | 9 | 37 | 147 | 83 | 37 | 26 | 28 |
| SUICIDAL THOUGHTS | 688 | | 5 | 13 | 38 | 22 | 98 | 265 | 145 | 53 | 24 | 25 |
| SUICIDE GE-STURE ACT | 317 | | 4 | 8 | 33 | 17 | 42 | 119 | 56 | 24 | 10 | 4 |
| ANXIETY PHOBIAS | 1169 | 2 | 28 | 52 | 41 | 36 | 152 | 431 | 252 | 91 | 49 | 35 |
| OBSESSIONS COMPULSION | 232 | | 4 | 7 | 6 | 6 | 27 | 83 | 49 | 25 | 11 | 4 |
| DEPRESSION INFERIORTY | 1953 | 1 | 31 | 75 | 106 | 85 | 240 | 708 | 407 | 170 | 69 | 61 |
| HYPOCHONDRIAS | 258 | | 5 | 6 | 7 | 5 | 24 | 95 | 58 | 30 | 20 | 8 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 8 (CONT'D.)

TERMINATIONS FROM STATE MENTAL HEALTH FACILITIES, 7/1/83 TO 6/30/84
BY AGE AND PROBLEMS ON ADMISSION

AGE AT TERMINATION BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 937 | 2 | 21 | 38 | 46 | 37 | 124 | 321 | 174 | 69 | 40 | 33 |
| DEPENDENCY CLINGING | 473 | 6 | 24 | 27 | 17 | 17 | 57 | 164 | 92 | 33 | 18 | 13 |
| GRANDIOSITY | 295 | | | 1 | 4 | 5 | 33 | 92 | 89 | 35 | 28 | 8 |
| SUSPICION PERSECUTIN | 688 | | 2 | 6 | 15 | 23 | 91 | 270 | 149 | 84 | 45 | 23 |
| HALLUCINATIONS | 572 | | | 2 | 11 | 20 | 85 | 233 | 117 | 52 | 27 | 25 |
| ANGER, NEGATIVISM | 1466 | 13 | 63 | 141 | 124 | 49 | 208 | 455 | 234 | 92 | 50 | 37 |
| ASSAULTIVE ACTS | 817 | 3 | 38 | 43 | 52 | 27 | 105 | 292 | 127 | 40 | 20 | 29 |
| ALCOHOL ABUSE | 763 | | | 1 | 27 | 21 | 103 | 301 | 149 | 61 | 33 | 12 |
| SEXUAL PROBLEMS | 282 | | 1 | 9 | 24 | 11 | 52 | 113 | 52 | 13 | 7 | |
| NARCOTICS, OTHR DRUGS | 632 | | | 5 | 55 | 40 | 173 | 275 | 69 | 14 | 1 | |
| ANTI-SOCIAL | 985 | | 13 | 83 | 110 | 46 | 225 | 325 | 119 | 43 | 17 | 7 |
| AGITATION, HYPERACTIV | 633 | 5 | 60 | 47 | 16 | 23 | 70 | 177 | 122 | 46 | 37 | 28 |
| DISORIENTD MEMORY PRB | 347 | | 5 | 3 | 8 | 14 | 41 | 108 | 62 | 33 | 27 | 46 |
| SPEECH DIS-ORGANIZED | 227 | 3 | 6 | 6 | 2 | 7 | 27 | 77 | 53 | 25 | 10 | 11 |
| SLOWED UP NO EMOTION | 393 | | 5 | 6 | 11 | 17 | 68 | 150 | 73 | 40 | 15 | 8 |
| INAPPROPRI-ATENESS | 583 | | 8 | 8 | 14 | 24 | 82 | 224 | 125 | 54 | 24 | 20 |
| ROUTINE IMPAIRED | 840 | 2 | 12 | 17 | 24 | 36 | 110 | 311 | 171 | 72 | 43 | 42 |
| MISSING | 179 | 2 | 3 | 6 | 10 | 4 | 6 | 35 | 30 | 20 | 26 | 37 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 9

TERMINATIONS FROM STATE MENTAL HEALTH FACILITIES. 7/1/83 TO 6/30/84
BY COMMUNITY MENTAL HEALTH CENTER OR SERVICE AND DISPOSITION

COMPREHENSIVE MH CENTER OR SERVICE BY DISPOSITION ON TERMINATION

| | TOTAL | CENTRAL OAHU | WINDWARD | LEEWARD | DIAMOND HEAD | KALIHI-PALAMA | MAUI | EAST HAWAII | WEST HAWAII | KAUAI | HSH & CENTRAL SVCS | OTHER SVCS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 4887 | 455 | 290 | 474 | 789 | 629 | 503 | 152 | 149 | 197 | 1159 | 74 |
| PUBLIC PSYCH HOSP | 137 | 11 | 15 | 16 | 25 | 13 | 21 | 10 | 1 | 3 | 12 | |
| OTHER PSYCH HOSP | 96 | 3 | 3 | 5 | 27 | 14 | 1 | | | 4 | 3 | 23 |
| COMM M.H. CENTER | 387 | 42 | 16 | 19 | 49 | 42 | 7 | | 1 | 34 | 167 | 11 |
| NURSING HOME | 2 | | | | | | | 1 | 1 | | | |
| OTHER NON-PSY INPATNT | 53 | 3 | 1 | 7 | 9 | 8 | | | | 4 | 14 | 2 |
| OUTPNT M.H. CLINICS | 32 | 1 | 3 | 3 | 3 | 8 | 2 | 2 | | 1 | 4 | 5 |
| PRIVATE PRACTCE MH PROF | 270 | 29 | 20 | 29 | 69 | 33 | 11 | 14 | 4 | 23 | 24 | 4 |
| SOCIAL COMMNTY AGENCES | 843 | 9 | 25 | 33 | 15 | 34 | 21 | 1 | 3 | 4 | 687 | 12 |
| NON-PSY PHYSICN | 70 | 24 | 4 | 6 | 9 | 6 | 4 | 1 | 1 | 3 | 6 | 1 |
| NOT REFER IN NEED | 464 | 101 | 26 | 98 | 95 | 53 | 35 | 17 | 4 | 25 | 3 | 1 |
| NOT REFER NOT NED | 858 | 112 | 52 | 102 | 188 | 83 | 82 | 25 | 26 | 31 | 157 | |
| UNKNOWN | 1406 | 84 | 112 | 146 | 251 | 270 | 293 | 30 | 105 | 30 | 8 | 22 |
| OTHER | 360 | 40 | 15 | 22 | 57 | 73 | 32 | 2 | 4 | 34 | 80 | 1 |

NOTE: THE SUMS OF THE COLUMNS WILL NOT NECESSARILY BE EQUAL TO THE TOTAL SINCE A PATIENT MAY HAVE MORE THAN ONE REFERRAL ON TERMINATION.

# MENTAL HEALTH DIVISION

TABLE 10

UNDUPLICATED COUNT OF PATIENTS SERVED, STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE, 7/1/83 TO 6/30/84

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 9724 | 37 | 603 | 731 | 544 | 302 | 1096 | 2767 | 1775 | 872 | 683 | 514 |
| SLEEP PROBLEMS* | 2279 | 4 | 27 | 26 | 47 | 53 | 237 | 735 | 513 | 275 | 133 | 129 |
| EATING PROBLEMS | 1032 | 4 | 18 | 24 | 13 | 21 | 124 | 360 | 220 | 126 | 73 | 49 |
| ENURESIS, SOILING | 141 | 6 | 49 | 41 | 6 | | 2 | 9 | 6 | 5 | 3 | 14 |
| SEIZURES, CONVULSION | 126 | 1 | 9 | 4 | 6 | 3 | 14 | 35 | 29 | 8 | 13 | 7 |
| SPEECH PROBLEMS | 300 | 7 | 45 | 37 | 19 | 11 | 21 | 56 | 32 | 33 | 24 | 16 |
| OTHER PHY-SICAL PROB | 1432 | 3 | 50 | 51 | 34 | 27 | 143 | 414 | 288 | 176 | 123 | 123 |
| INADEQUATE INTELLECT | 449 | 5 | 55 | 74 | 44 | 28 | 48 | 95 | 55 | 27 | 17 | 11 |
| SOCIAL PRB WITH CHILD | 1549 | 10 | 212 | 362 | 165 | 50 | 55 | 246 | 249 | 105 | 57 | 38 |
| SOCIAL PRB WITH* MATE | 2985 | 22 | 159 | 292 | 266 | 95 | 279 | 906 | 579 | 219 | 111 | 57 |
| SOCIAL PRB OTHR FAMLY | 1843 | 14 | 108 | 214 | 183 | 105 | 244 | 491 | 252 | 131 | 75 | 56 |
| SOCIAL PRB OTHR PEOPL | 3429 | 16 | 131 | 264 | 182 | 125 | 476 | 1096 | 644 | 240 | 171 | 84 |
| JOB IMPAIRMENT | 2889 | 5 | 126 | 242 | 180 | 74 | 353 | 963 | 574 | 214 | 127 | 31 |
| SCHOOL IMPAIRMENT | 1483 | 15 | 253 | 491 | 330 | 128 | 101 | 113 | 36 | 12 | 2 | 2 |
| HOUSEKEEP IMPAIRMENT | 900 | 4 | 40 | 93 | 57 | 20 | 54 | 214 | 174 | 117 | 79 | 62 |
| SUICIDAL THOUGHTS | 1254 | | 8 | 23 | 56 | 36 | 186 | 453 | 289 | 97 | 68 | 38 |
| SUICIDE GE -STURE ACT | 505 | | 2 | 12 | 45 | 26 | 93 | 172 | 84 | 39 | 21 | 11 |
| ANXIETY PHOBIAS | 2380 | 3 | 69 | 112 | 70 | 47 | 264 | 839 | 512 | 239 | 152 | 73 |
| OBSESSIONS COMPULSION | 486 | | 4 | 14 | 10 | 11 | 61 | 167 | 112 | 53 | 32 | 22 |
| DEPRESSION INFERIORTY | 3929 | 1 | 65 | 160 | 165 | 125 | 449 | 1366 | 840 | 393 | 215 | 150 |
| HYPOCHON-DRIAS | 564 | | 11 | 13 | 9 | 11 | 45 | 171 | 127 | 90 | 55 | 32 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

TABLE 10 (CONT'D.)

UNDUPLICATED COUNT OF PATIENTS SERVED, STATE MENTAL HEALTH FACILITIES
BY PROBLEMS ON ADMISSION AND AGE, 7/1/83 TO 6/30/84

AGE BY PROBLEMS AT ADMISSION

| | TOTAL | UNDER 5 | 05-09 | 10-14 | 15-17 | 18-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | OVER 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOCIAL ISOLATION | 1802 | 3 | 46 | 86 | 82 | 56 | 208 | 588 | 354 | 193 | 126 | 60 |
| DEPENDENCY CLINGING | 932 | 9 | 40 | 51 | 24 | 23 | 113 | 330 | 177 | 88 | 53 | 27 |
| GRANDIOSITY | 404 | | 3 | 5 | 7 | 6 | 40 | 132 | 117 | 49 | 35 | 10 |
| SUSPICION PERSECUTIN | 1130 | | 6 | 12 | 22 | 29 | 129 | 440 | 272 | 122 | 84 | 34 |
| DELUSIONS | 892 | | | 2 | 7 | 28 | 105 | 290 | 223 | 101 | 85 | 51 |
| HALLUCINATIONS | 1012 | | 1 | 4 | 18 | 25 | 130 | 379 | 219 | 106 | 85 | 45 |
| ANGER, NEGATIVISM | 2727 | 16 | 132 | 288 | 180 | 84 | 339 | 810 | 463 | 186 | 104 | 73 |
| ASSAULTIVE ACTS | 1388 | 7 | 47 | 79 | 67 | 44 | 295 | 466 | 226 | 78 | 44 | 35 |
| ALCOHOL ABUSE | 1428 | | | 1 | 34 | 30 | 290 | 562 | 288 | 113 | 68 | 22 |
| SEXUAL PROBLEMS | 573 | | 2 | 14 | 35 | 19 | 99 | 230 | 110 | 37 | 20 | 5 |
| NARCOTICS, OTHR DRUGS | 1191 | | | 6 | 61 | 61 | 324 | 545 | 158 | 30 | 4 | 2 |
| ANTI-SOCIAL | 1661 | | 20 | 113 | 143 | 76 | 406 | 569 | 232 | 82 | 29 | 11 |
| AGITATION, HYPERACTIV | 1226 | 8 | 129 | 132 | 26 | 31 | 126 | 317 | 221 | 123 | 82 | 51 |
| DISORIENTD MEMORY PRB | 619 | | 10 | 8 | 7 | 18 | 67 | 175 | 107 | 56 | 66 | 105 |
| SPEECH DIS -ORGANIZED | 397 | 2 | 11 | 13 | 3 | 8 | 39 | 112 | 87 | 50 | 30 | 32 |
| SLOWED UP NO EMOTION | 735 | | 9 | 18 | 17 | 25 | 112 | 259 | 141 | 87 | 45 | 22 |
| INAPPROPRI -ATENESS | 1005 | | 14 | 21 | 26 | 28 | 120 | 360 | 211 | 137 | 79 | 42 |
| ROUTINE IMPAIRED | 1837 | 2 | 28 | 34 | 36 | 60 | 241 | 632 | 402 | 183 | 126 | 93 |
| MISSING | 846 | 2 | 3 | 7 | 15 | 7 | 14 | 84 | 144 | 172 | 204 | 194 |

*PROB OR PRB=PROBLEMS; WITH MATE=WITH SPOUSE, MATE.
FOR CHILDREN: INADEQUATE INTELLECT=DELAY, SOCIAL PROBLEMS WITH CHILD=PEERS,
SOCIAL PROBLEMS WITH MATE=PARENT/GUARDIAN,
SOCIAL PROBLEMS WITH OTHER FAMILY=SIBS,
SOCIAL PROBLEMS WITH OTHER PEOPLE=OTHER ADULTS,
JOB IMPAIRMENT=ACADEMIC ACHIEVEMENT, HOUSEKEEPING IMPAIRMENT=CHORES.

# REFUGEE SCREENING PROJECT

## NARRATIVE

The Health Care for Refugees (HCFR) Project is administered by the State of Hawaii Department of Health and is federally-funded by the U.S. Centers for Disease Control (CDC) to provide coordination of health, TB and dental screening to Hawaii's refugee arrivals. The Project also maintains a refugee health registry to monitor the health status of Hawaii's refugee population and to collect health data for state and federal informational purposes.

Of Hawaii's estimated 7,000 refugee population, approximately 95% have come from Southeast Asia (Vietnam, Laos or Cambodia). In 1983-84, over 96% of Hawaii's 321 new refugee arrivals received health screening, and 98% of those screened had one or more health problems noted at the time of the screening. Some of the more common refugee health problems included Tuberculosis (68% with positive TB skin tests, and 11% with positive chest x-rays), parasites (45%), dental disease (84%), anemia (21%), skin conditions, undernutrition, and other less prevalent and primarily personal health problems, as well as general lack of adequate knowledge about health, disease, and the U.S. health care system. The HCFR Project's findings reflect those generally seen in similar refugee health screening programs across the country. The initial health care screening system coordinated by the HCFR Project involves the Department of Health and other state agencies, voluntary resettlement and other community agencies, as well as local private medical and dental providers.

# TABLE 1

## DEMOGRAPHIC BREAKDOWN OF REFUGEES ENTERING HAWAII (Primary Arrivals[a/])

July 1, 1983 - June 30, 1984

| AGE (years) | Country of Origin | | | | | | | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|
| | VIETNAM | | LAOS | | CAMBODIAN | | Other[b/] | | | |
| | Sex | | Sex | | Sex | | Sex | | | |
| | MALE | FEMALE | MALE | FEMALE | MALE | FEMALE | MALE | FEMALE | Number | Percent |
| Under 1 year | 3 | 0 | 0 | 2 | 2 | 0 | - | - | 7 | 2.2% |
| 1 - 4 | 6 | 4 | 7 | 5 | 2 | 0 | - | - | 24 | 7.5% |
| 5 - 9 | 8 | 7 | 9 | 7 | 3 | 2 | - | - | 36 | 11.2% |
| 10 - 14 | 18 | 11 | 4 | 6 | 1 | 1 | - | - | 41 | 12.8% |
| 15 - 19 | 19 | 14 | 4 | 4 | 0 | 1 | - | - | 42 | 13.1% |
| 20 - 34 | 44 | 28 | 9 | 14 | 5 | 7 | 2 | - | 109 | 33.9% |
| 35 - 44 | 12 | 11 | 4 | 1 | 0 | 1 | 1 | - | 30 | 9.3% |
| 45 - 64 | 11 | 9 | 2 | 2 | 1 | 1 | - | - | 26 | 8.1% |
| 65 or Older | 3 | 1 | 0 | 1 | 1 | 0 | - | - | 6 | 1.9% |
| TOTAL Number | 124 | 85 | 39 | 42 | 15 | 13 | 3 | 0 | 321[c/] | |
| TOTAL Percent | 65.1 | | 25.2 | | 8.7 | | 0.3 | | --- | 100.0% |

a/ - Primary arrivals refers to U.S. arrival via Hawaii; does not include secondary refugee arrivals from other states.

b/ - Afghanistani and European refugees.

c/ - Estimated number of Southeast Asian refugees living in Hawaii totals 6,200 as of Setpember 1984 (source: U.S. Office of Refugee Resettlement, December 1984).

# WAIMANO
# TRAINING SCHOOL
# AND
# HOSPITAL DIVISION

# WAIMANO TRAINING SCHOOL AND HOSPITAL

## SUMMARY

The population of Waimano continues to decline over the years, reflecting the emphasis on deinstitutionalization. However, the decline is not as rapid as in past years due to the difficulty in making successful community placements. As the level of functioning of the retarded patients is lowered, the difficulty in management is conversely increased.

On September 1, 1983, Waimano implemented the Home and Community Based Services Program. There were 19 residents in the program as of June 30, 1984. These residents are under Waimano's supervision and control and statistics will be reflected as in-house and community-based.

Table 1 shows that in the past year of operation, the population decreased by 11 patients, from 375 at the start to 364 at the end. The distribution of population at the end of the year shows 348 in-house and 19 community-based residents. Other data show that patients added during the year remained stable. New admissions decreased from previous years, as did direct discharges. Figures for both Returns from Community Placement (29) and Community Placements (34) show a duplicated count of residents moving in and out of Waimano. Actual revocations of community placements were 3.

Table 2 shows that the trends in the category of classification remain about the same as in previous years, with the predominance of residents in the "Profound" category.

TABLE 1
WAIMANO TRAINING SCHOOL & HOSPITAL
STATISTICAL MOVEMENT OF PATIENTS BY FISCAL YEAR
STATE OF HAWAII: FISCAL YEAR 1983-84

| Waimano Population | 1976-77 | 1977-78 | 1978-79 | 1979-80 | 1980-81 | 1981-82 | 1982-83 | 1983-84 |
|---|---|---|---|---|---|---|---|---|
| Institution | | | | | | | | |
| Patients in residence at start | 588 | 535 | 482 | 446 | 423 | 397 | 385 | 375 |
| Patients added during the year | 52 | 66 | 84 | 65 | 63 | 53 | 31 | 123 |
| Admissions during the year | 12 | 13 | 13 | 12 | 7 | 6 | 10 | 2 |
| Returns from community placement | 40 | 53 | 71 | 53 | 56 | 47 | 21 | 29 |
| Patients removed from Hospital during the year | 105 | 119 | 120 | 88 | 89 | 65 | 41 | 134 |
| Direct discharge | 7 | 4 | 5 | 3 | 2 | - | 2 | - |
| Deaths in hospital | 13 | 14 | 6 | 6 | 7 | 8 | 5 | 4 |
| Community placements (Includes ret. to CP) | 85 | 101 | 109 | 79 | 80 | 57 | 34 | 38 |
| Patients in residence at end of year | 535 | 482 | 446 | 423 | 397 | 385 | 375 | 364 * |

* Includes 19 residents in the Home and Community Based Services Program and carried as Waimano's population.

TABLE 2
RESIDENT POPULATION, WAIMANO, JUNE 30
DISTRIBUTION BY YEAR AND MEASURED INTELLIGENCE
STATE OF HAWAII: FISCAL YEAR 1983-84

| | Resident Population on June 30 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
| Total | 535 | 482 | 446 | 423 | 397 | 385 | 375 | 364 |
| I. Mild Educable | 21 | 24 | 7 | 9 | 10 | 13 | 12 | 9 |
| II. Moderate Trainable | 85 | 72 | 35 | 30 | 29 | 26 | 26 | 33 |
| III. Severe | 193 | 174 | 65 | 53 | 53 | 53 | 59 | 58 |
| IV. Profound | 230 | 207 | 338 | 328 | 305 | 293 | 278 | 264 |
| Borderline | 5 | 4 | - | 2 | - | - | - | - |
| Undetermined Intelligence | 1 | 1 | 1 | 1 | - | - | - | - |